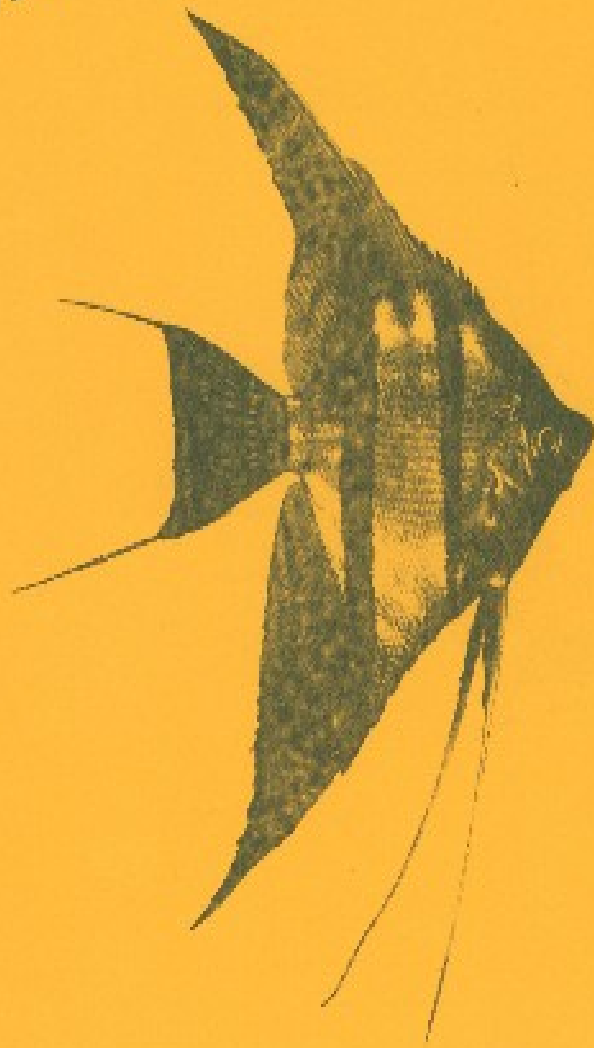


**SOUTHEND, LEIGH & DISTRICT**



**AQUARIST SOCIETY.**

*founded 1938*

THE SOUTHEND. LEIGH AND DISTRICT AOJARIST SOCIETY (founded 1938 or before)

The Society meets every first and third Tuesday in each month at 8.00 pm,  
ats- **ST ANDREWS HALL ELECTRIC AVENUE WESTCLIFF-ON-SEA ESSEX.**

BI-MONTHLY JOURNAL Number 36 JANUARY - FEBRUARY

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**THE BEST SHOW IN ESSEX - S.L.A.D.A.S. OPEN SHOW 1971**

MAY 22<sup>nd</sup> of May 1971 at the Liberal Hall Clarence Road Southend.

ALL CORRESPONDENCE TO THE RELATIVE OFFICERS ADDRESS NOT TO THE ME<sup>E</sup>TING  
HALL PLEASE!

-3- **OFFICERS FOR 1971**

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**EXCHANGE MAGAZINES** welcomed please send your magazines to the editor.

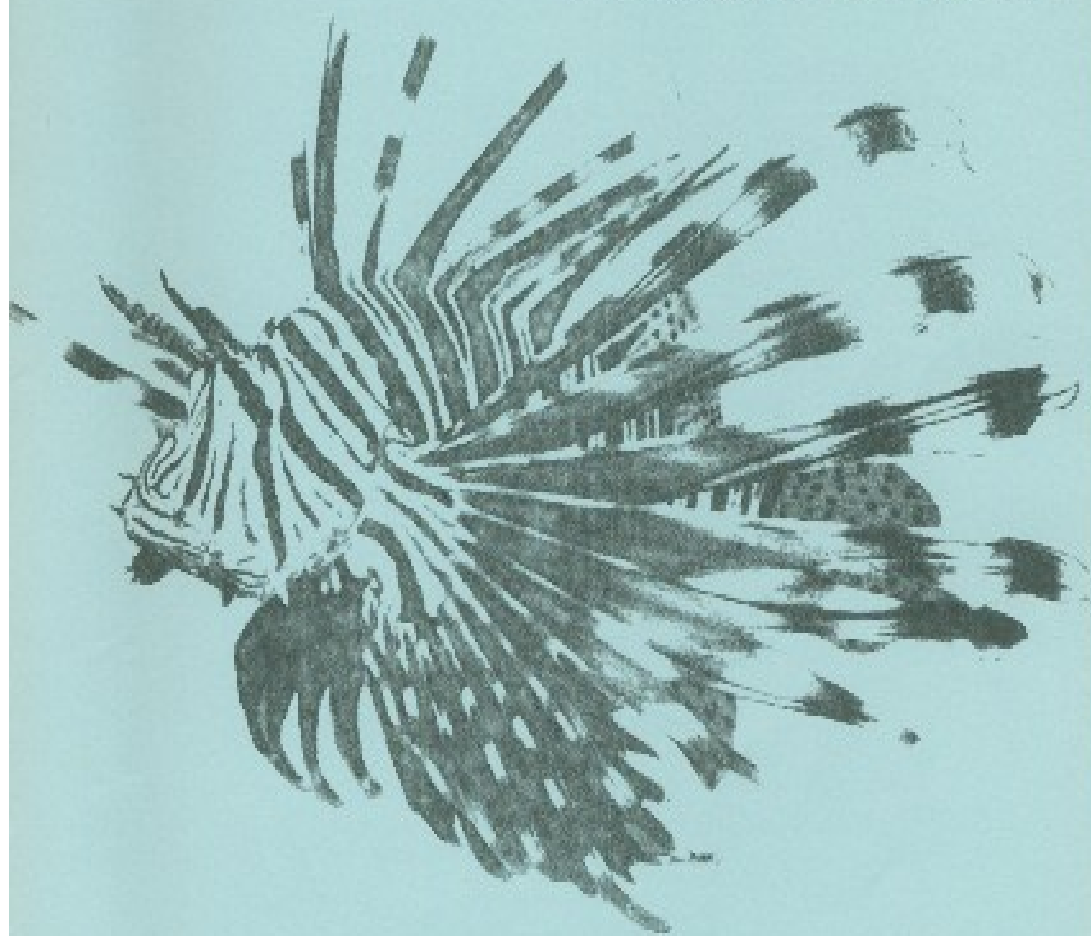
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**VIEWS EXPRESSED** in this JOURNAL are those of the individual contributor not necessarily those of the Society.

# STAN'S AQUARIUM

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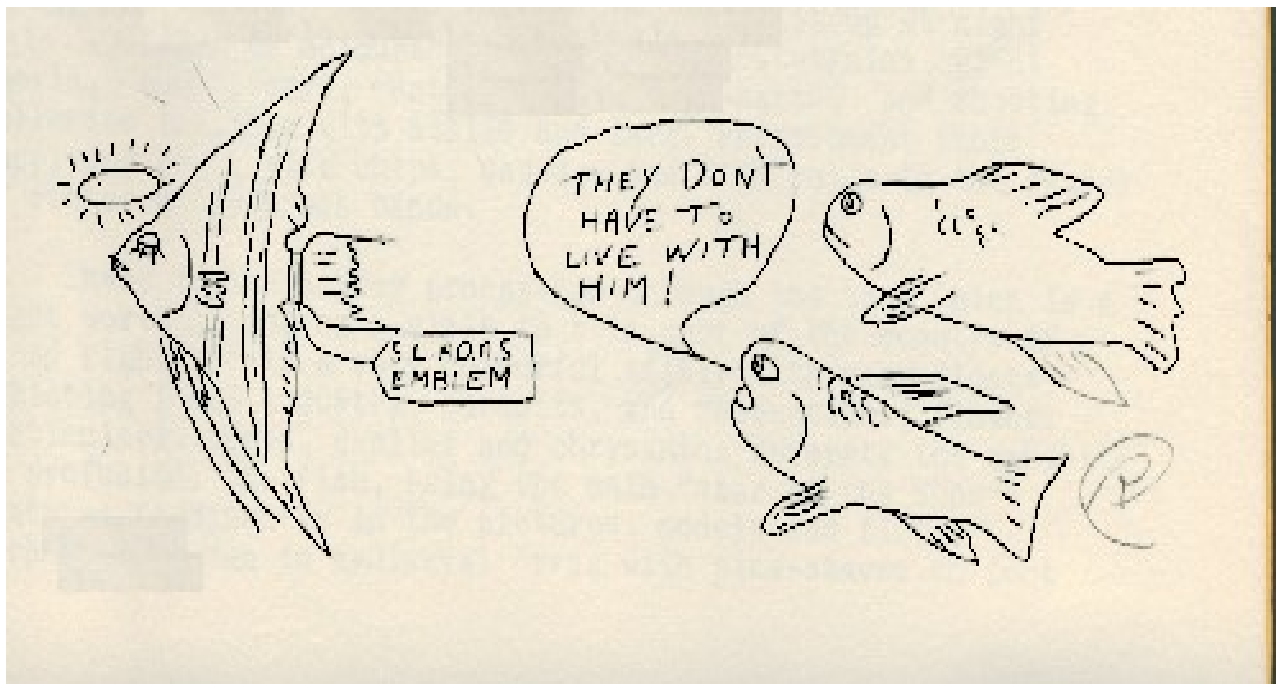
**EDITORIAL**

How did you and your fishes fare during the power stride ( sorry I think it was called a work to rule). The rights or wrong of this industrial action cannot rightly be discussed in this JOURNAL since your editor's mandate only covers things aquatic - but the effect of loss of power on our fishes is this JOURNAL'S concern. We have not heard of any members losing stock through lack of electricity but perhaps a few words on methods of maintaining heat in the aquarium when the power is off are called for since the dispute has not really been settled yet. The return to work would appear to be effective after the industrial court's decision has been accepted by the power workers.

If the power goes off - cover up your tank with blankets it is suprising how much heat these will retain. If the tank heaters are off for any length of time make a temporary hot-water bottle for the fishes by pouring hot but not boiling water into a polythene bag and tying the top, and immerse this in the water. For the fish house a oil stove is ideal for such emergencies. DO NOT pour boiling hot water directly into the tank this can do more harm than good as we can personally testify having tried this in the late forties or early fifties when power cuts were common. Apart from a stream of boiling water being liable to kill the fish, you can quite easily crack the glass if

Whilst on the subject of strikes at the time of writing we are threatened with a postal strike - for S.L.A.D.i\*S. this falls at an inopportune moment for our Show Schedules are now ready for mailing. If we can't get our schedules to the potential exhibitors (members apart) how can we hold a show. Members can help in this if the strike goes on for any time by offering to deliver the schedules to the other clubs whose members might wish to take part in our show.

Whilst on the subject of the show it's May the 22nd - tell 'em again Fete they might forget ! - MAY 22nd ( that's providing the Water Works don't pack up).



## BACKFISGHFEST

by N. Sellers

Worms is a small but well known town in the South-West of Germany on the West Bank of the river Rhein not very far from Frankfurt and close to Mannheim having a bridge and harbour and cherishing many relics from mediaeval times.

There are the remains of the Roman town wall, a 12th century cathedral and an elaborate marble monument with skillfully carved figures depicting Martin Luther and his followers whose manuscripts were burned in public by the Worms Edict of 1521.

The town has been largely rebuilt since the war and maintains it's close connections with the local wine producing industry being particularly noted for it's "Liebfraumilch" the grapes for which are grown in it's vicinity. To the north and west of the town reach the vast acreages of vinyards stretching as far as the eye can see, the grape-vines growing in neat rows often on steep inaccessible hillsides where walls are necessary to protect the soil from erosion by the elements.

The inhabitants are extremely friendly, helpful and hardworking enjoying their share of the prosperity the whole country has attained in recent years.

This year I was lucky once more to be able to spend my holidays in this beautiful region of Germany, and also to be able to enjoy the annual festival which they call the "Backfischfest" -a translation of which is cooked fish festival -which stems from the towns interests in fishing from the river Rhein, an interest quickly receding in the face of industrial pollution. However, the festival which is known and visited from far and wide is unlikely to die. ("Backfisch" has now become a rather impolite word used at this time to refer to young single girls). It is an enormous and elaborate undertaking including a large colourful amusement park lit up at night with thousands of coloured lights, with ghost-trains, giant wheels, bumper-cars, "octopus" rides, go-karts, and shooting galleries together with stalls and large refreshment tents supplying beer, wine, chips, sausage and fish rolls to the sounds of rather noisy brass bands.

There is the Sunday procession through the town which is a sight worth seeing on a visit to this part of the country if timed right. It is a very colourful affair with many floats depicting local industry, pursuits, and recreations; flowers particularly roses, dahlias and chrysanthus decorate the exhibits in profusion. The fish, being the main "star of the show" features prominently in the pictures, models and floral arrangements. Men in mediaeval dress with pike-staves on foot

or in armour on horseback feature in a long procession which includes - brass bands - male and female, sports clubs, and representations from local authorities and industry - particularly wine making, sweets, flags, and glasses of wine are given freely by the mini-skirted young ladies from the colourful floats in the moving procession, which is cheered by many thousands of excited spectators.

The shop windows and main streets are decorated with many flags and models of fishes, and in the bakery shops one can purchase confectionery in the form of colourful marzipan fishes. The festivities last for about ten days and finish with a giant firework display on the river Rhein.

## **HISTORY OF THE AQUARIUM**

by D.W. Roberts F.Z.S.

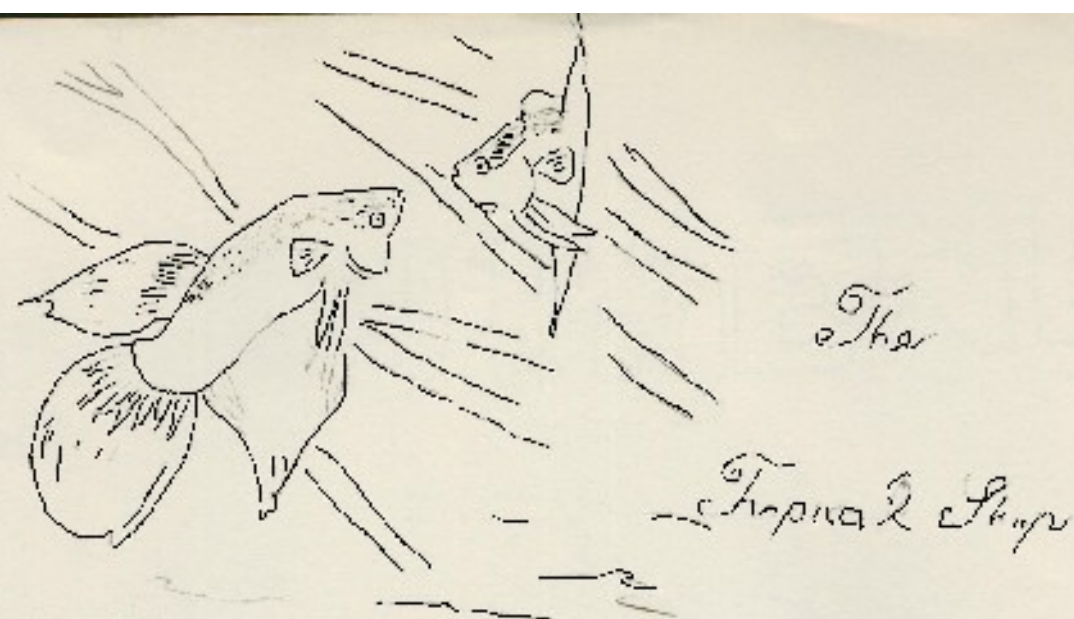
Little was known about the natural history of the sea in 1850. On land, where animals and plants could be observed in their natural surroundings, considerable knowledge of their habits and life histories had already been accumulated.

Such direct observation of marine animals, however, was impossible. Yet today marine biology and fisheries research comprise one of the most important branches of natural history, embracing considerable knowledge of many of the inhabitants of the seas.

Although no one man can be said to have been the founder of marine natural history, the influence and achievements of that great Victorian naturalist, Philip Henry Gosse, in the 1850's paved the way for its subsequent rapid expansion. The event which made possible the systematic study of the inhabitants of the seas, and led to the growth of marine natural history, was the invention and development of the marine aquarium, in which Gosse played a major part.

Through his pioneer efforts the first public marine aquarium in the World was opened at the London Zoo on May 21st 1853, and in retrospect this can be recognised as one of the most significant events in the development of natural history in the nineteenth century.

In 1872 Gosse and Robert Warrington, a chemist, were both experimenting independently and unknown to each other, with a view to establishing a marine aquarium. Earlier in the century it had been shown that whereas aquatic animals removed oxygen from the water, in which they lived, and replaced it with carbon dioxide, aquatic plants during the day-time maintained a reverse exchange, removing carbon dioxide and putting back oxygen. It seemed, therefore, that a mixed animal and



TROPICAL FISH - PLANTS - AQUARIA AND ALL EQUIPMENT

COLDWATER FISH - PONDS - FOUNTAINS - LILIES - ETC

MYNAHS - BUDGERIGARS - CANARIES - LARGE VARIETY

FOREIGN BIRDS - PARROTS - PARAKEETS - HAMSTERS

TERRAPINS - GRASS SNAKES

PARROT CAGES - BREEDING CAGES - STANDS

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plant population placed in a tank which received adequate light should be able to maintain itself indefinitely without any special measures for aerating the water, providing the animals were fed. The oxygen given out by the plants would serve the respiratory needs of the animals, whilst their waste carbon dioxide would be made available for the plants. Warrington had already put this theory of the balanced aquarium to the test in freshwater, and had succeeded in maintaining fish and water-weed together in a small tank for many months.

A year or two earlier Gosse had been interested in a group of tiny aquatic creatures called rotifers, and had noticed that so long as he kept some weed in the jars in which they were living they flourished. A collapse in December 1851 resulted in Gosse being ordered by his doctor to leave London and go into the country where he had to spend as much time as possible out of doors. This proved an important milestone in Gosse's life, for it led him to the sea-side and fame. Since he had to go away he decided that it should be to the sea.

Through his interest in the rotifers he felt he would like to study the animal life of the sea-shore, about which very little was known. Devon was chosen partly because of its climate and geographical position, and partly because of the times of the tides. Low spring tides which uncover the most populous rocks are the best time for collecting sea-shore animals, and in Devon these occur about mid-day, the ideal time for an invalid to be out and about.

Because of their geographical position, receiving warm water from the Gulf stream, Devon and Cornwall are particularly rich in marine fauna, which contains many creatures not found elsewhere on our shores.

Early in February 1852 Gosse began his first experiments with the aquarium. Every day pieces of rock on which animals and sea-weeds were living were chipped off and brought him, and before long the first flourishing marine aquarium was an accomplished fact.

Although Gosse and Warrington both succeeded in establishing a balanced marine aquarium in 1852, Gosse was determined to play a bigger part than Warrington in the further development of the idea. Collecting specimens, recording observations, and experimenting continued throughout the greater part of the year, and in November Gosse returned to London for the winter.

He was soon able to interest the Zoological Society, and in December a large glass tank was set up in the new fish house, stocked with plants and animals from Devon. Public interest was so great that it was decided to erect seven such tanks, and Gosse agreed to spend the following summer collecting specimens.

On May 21st 1853 the Zoological Society was able to announce the opening of the first public marine aquarium or aquavivarium in the world. The previous day there had been a private view for the press and Fellows of the Society.

### **NATURE CONSERVANCY IN GERMANY**

by N.Sellers

Most of the edible fish found in the River Rhein, River Danube and Lake Constance and many inland lakes of Germany such as whitefish, grayling, pike, and trout originate not as would at first be thought in the waters themselves, but in a fish breeding establishment on the island of Reichenau situated off the northern shore of the Untersee - a small lake to the west of and communicating with Lake Constance.

This private undertaking was founded in 1926 by a number of anglers who fished in Lake Constance, and in the course of some forty years of activity during which several increases in size and many improvements introduced the output of young fry now amounts to over 30 million a year; these being transported to lakes and rivers throughout the country.

The fry are grown on to 1-2 cms in some 50 indoor and outdoor round and rectangular tanks many being six feet in diameter, before making their journeys to new surroundings, being loaded into containers by pipe-line (not labouriously fished out by net). It has been found that grayling and whitefish thrive best in round tanks and pike and trout in rectangular tanks. The tanks are aerated, filtered and ozonised to restrict bacterial activity.

A recent introduction has been the erection of a floating pontoon on the lake to accommodate a semi-automatic plankton plant which replaces the burdensome and costly daily fishing by bucket, the water from the lake bottom being pumped up to the roof of the fish hatchery and from there via pipes and taps to the tanks. This is the first attempt to collect plankton automatically in Europe, and it is hoped that following this experiment a fruitful export business will arise. Costs of the whole venture are met by a 10/- per annum charge to sport anglers on Lake Constance and contributions from local authorities.

In many mountainous districts of Germany hotels and restaurants offer fresh trout on the menu and these can be chosen by the customers from large tanks standing inside or outside the dining-rooms. These fish most likely were hatched on Reichenau an island which is only three miles long, an island making a small but significant contribution towards countering the effect

WE could fill this JOURNAL many times over with the arguments on and about pollution that have taken place in the past year but instead we will simply put a few reports that have occurred in the world's press:-

**January** Industrial concern dumps cyanide in the River Chelmer, Essex many fish poisoned.

**February** U.S. atom plant at Denver, Colorado releasing plutonium into air water and soil according to Dr Kartell, former Director of Armed forces Special Weapons Project,

Russia and U.S. sign pollution agreement.

Liberian tanker "Arrow" breaks in two spilling oil,  
oil slick three miles long, heavy toll of birds and fish.

Robert Hudson writing in "British Birds" warns of toxic chemicals polluting essential water supplies, and of reckless usage of nitrate fertilizers.

Bream and Pike killed by oily waste in River Medway at Tonbridge.

**March** Oil slick fouls Southend beaches, unidentified tanker accused of cleaning out tanks in the estuary.

**April** Dorset Council bans the use of detergents to clear oil on beaches, because of their toxicity.

**May** "Technology Reviews" stated that by 1980 Britain would have to dispose of 1¼ million tons of plastic rubbish every year, how much of that will be dumped in the water?

**July** Eight miles of beach between Leigh and Shoebury fouled after Spanish tanker crashed into jetty at Coryton.

Richard Ottinger (Democrat New York) told the House of Representatives of a 21 miles patch of "dead sea" moving towards the American coast at one mile per year, apparently caused by dumping rubbish 1.0 miles off New York.

**August** Nerve gas dumped in Atlantic by U.S army.

Scare- over Ferric Chloride canisters washed up on south coast, canisters dumped by British Admiralty; material not as dangerous as the newspapers would have us believe in their attempts to make a story.

Danish boys burned by mustard gas from shells dumped in the Baltic at end of last war

**August** Robert Allen in B.B.C's "Today" did not relish drinking London's tap water - Metropolitan Water Board did not request air time to reply to the charge.

10,000 roach killed in Llangorse Lake, Brecon, local people said the lake was not as clear and bright as it used to be.

President Nixon spoke of measures after receiving White House Council on Environment Quality report.

**September** President of Toho Zinc Company, Japan resigns over cadmium pollution caused by his firm.

**October.** Egg farmers before court accused of pollution of River Arundel by pumping chicken manure slurry into the river and killing 1,000's of fish.

Sewage Workers strike - millions of gallons of untreated sewage- pumped into River Thames and many others, cleaning up program for old father Thames put back ten years.

"Pacific Glory" and Allegro tankers collide off Isle of Wight,

**November** N.A.T.O. sponsored conference on pollution suggests that traces of petroleum products in sea foods such as fish, shell-fish, etc could be a cancer hazard

Two Liverpool scientists, J.A.Tooley, and C.D. Reed, tell of samples of drinking water taken locally which all contained more than 0.032 mg per litre of phenolic substance — sixteen times the "World health Organisation recommended maximum. 22 towns had maximum amount of lead and three had twice the amount.

**December** A number of the worlds largest oil companies formed a fund to provide compensation for oil pollution.

Superior Tea Company sent 100 dollar cheque for pollution damages to Boston Harbour — on December 16 1773.

Ministry of Defence paid £5,000 compensation for polluting river Frome with toxic materials from Bovington Camp.

U.K. scare over Methylmercury in Tuna fish.

Companies fined for dumping foul cargoes in Rhine. Companies paid bonus to captains who "lost" cargoes !

**REMEMBER THE TORREY CANYON ? \_ \_ THE SANTA . BARBARA WELL LEAK'S ?**

**ARE YOUR FISH NEXT ON THE LIST OR YOU ??**

-15-  
**CLUB NEWS**

**December 1**

This meeting is down on the card as an Open discussion, but what was discussed I haven't the faintest idea, as I didn't turn up - - the first meeting that I missed in 1970 !

The table show results I do know, courtesy of our new-table show secretary, Ken Adams.

**HARDLUCKTABLESHOW**

|       |                 |       |                 |       |        |        |
|-------|-----------------|-------|-----------------|-------|--------|--------|
| 1..   | S. Norris.      | ..... | rosy barb       | ..... | 83     | points |
| 2..   | T. Russel.      | ..... | corydoras cat.. | 80    | points |        |
| 3.... | Mrs E. Coe.     | ..... | albino molly... | 79    | points |        |
| 4..   | Mrs. J. Norris. | ..    | hatchet..       | ....  | 78     | points |

**Raffle**

|      |                |                     |
|------|----------------|---------------------|
| 1..  | T.Russel.....  | 30/- voucher.       |
| 2... | R. B.Carrier   | ....pair kribensis. |
| 3... | Mrs E.Coe..... | pair of kribensis   |

**Meeting December 15**

|        |                     |                           |
|--------|---------------------|---------------------------|
| Raffle | Dot Chapman....     | Long Tom air stone Stone. |
|        | Rodger Carrier..... | set of nets.              |
|        | Wally Hadkiss.....  | filter brushes.           |
|        | Alan Staples.....   | thermometer.              |

The main entertainment of the evening, and entertainment is the right word, was a Crazy quiz presented by Dave Edwards, and Alan Chapman. The winner of this was Lawrence Mitchell, the prize a Christmas stocking full of aquarium goodies!

There was also a prize for the winner of the section of the quiz on *Anableps*, I couldn't see who the winner was (I was too busy copying answers off of Bob Orford's answer sheet) but I do know that the prize was a left-handed net for catching left-handed females !

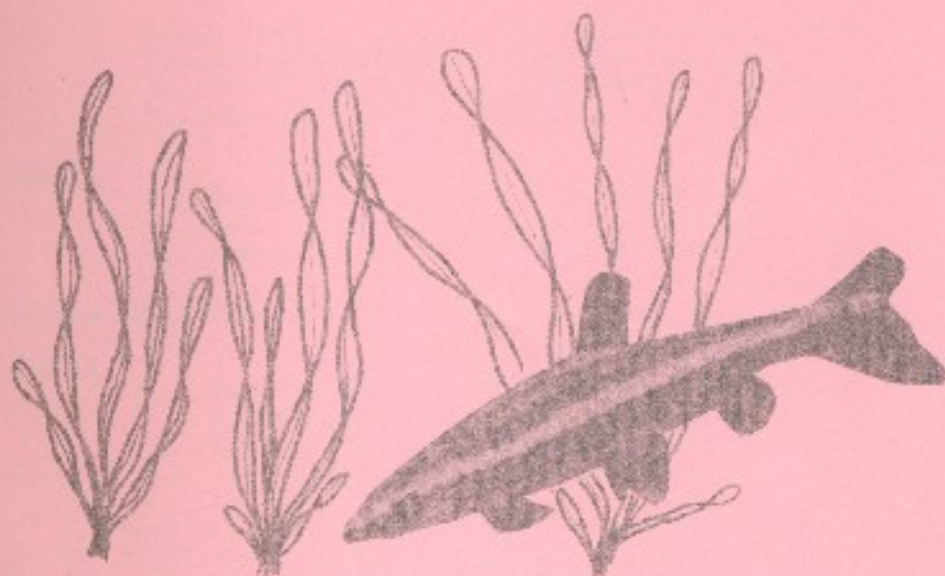
**Meeting January 5**

An auction, very well attended considering that 'orrible white stuff that descended on us for Christmas and now seemed to refuse to go away. The new varnish on the floor didn't help members eyes much, ours smarted for ages afterwards but you wait until you see the place when the decorations are finished.

**FEMALE LIVEBEARERS**

|        |                    |                      |           |
|--------|--------------------|----------------------|-----------|
| 1..    | Mrs V.Burlton..... | moon platy.....      | 75 points |
| 2..    | T.Russel.....      | mosquito.....        | 73 points |
| 3..    | R.D. Orford .....  | yellow wagtail ..... | 72 points |
| 4..... | R.D. Orford.....   | yellow wagtail.....  | 68 points |

# **The Broadway Pet Stores**



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- ★ PLANTS ★ TANKS ★ EQUIPMENT
- ★ FISH FOODS ★ MEDICATIONS

**146 Broadway, Leigh-on-Sea. Phone 73849**

## FIGHTERS

- 1...T.Clark.....red.....68 points
2. P.F.Capon.....green.....63 points
- 3...P.F.Capon.....green.....62 points
- 4...P.F.Capon.....multi.«.....51 points

## FEMALE LIVEBEARER JUNIOR CLASS

- 1...Michael Chapman..

I do not know how other members, fishes fared but your editors fighters did not appreciate the temperature in the hall they weren't really their normal selves for three days, an hour after I got them home the water in the was was still only 60°F !!

## Raffle

Ted Joyce.....£1 voucher.  
Chris Finch.....three thomasi.

Our spies tell us that Tom King bought a book at the auction and promptly donated it to the library, many thanks Tom.

## COMMITTEE MEETING REPORTS.

Meeting held at 165, Bull Lane, Rayleigh on 20th of November 1970 Present were:- President, Secretary, Treasurer, Mrs P. Clark, Messrs R.Carrier, T.Russel, L.Mitchell, D.Edwards , P.Capon, E.Joyce, K.Adams, and T.Clark.

Apologies from R.B. Orford,

The meeting was called to order at 8.20 pm; the President welcomed the new members to the committee and said that the 1971 committee appeared to be a strong group. On matters arising it was reported that Mrs Adams expressed her thanks for the bouquet presented to her for many cups of tea etc and forbearance to the 1970 Pet Fish Show team. The treasurer reported the brine shrimp eggs that he had ordered had not yet been received. The secretary reported for Bob Orford that the total expenditure on the Social would be in the region of £23. The treasurer stated that there were no club ties in stock, it was decided to put the matter of a change, in colour to the general meeting. Under business pertaining to the A.G.M. the Secretary read a letter from Mr Lane announcing his retirement from S.L.A.D.A.S. the trophy awarded to him being held in the custody of the Secretary, his suggestion aired at the A.G.M. that the P.R.O. should be open to receive members suggestions in addition to receiving them in the suggestion box was adopted. Mr Russel reported that he had been approached with an enquiry as to whether the club's tableau from the Pet Fish Show could be

loaned out to local aquarist shops, it was agreed that any such request should be made in writing. Dave Edwards volunteered to be F.B.A.S. delegate with Terry Russel as substitute. The Librarian was authorized to compile a list of new books suitable for the library.

The program for 1971 was compiled with the aid of two specimen programs compiled by two groups of members.

The President suggested that the special fund for cine equipment should be augmented with the prize money from the PetFish Show, it was also agreed that should the general Bank Balance exceed £100 the surplus should be transferred to the fund. Lawrence Mitchell requested clarification as to the entrance fee at the Social, and also suggested that joint members should be able to total together any points they may receive. This suggest-was not received with any considerable enthusiasm. The secretary suggested a press cuttings book should be started. Rodger Carrier volunteered to take certain responsibilities and to be spokesman for the junior members.

The meeting closed at 12.16 am November 25<sup>th</sup>

Meeting held at 36, Grafton Road, Canvey, on December 29 1970 Present were :- Secretary, Mrs Clark, Messrs E. Joyce, K.Adams, T. Russel, T. Clark, and D. Edwards; visitor A. Staples, apologies owing to inclement weather from President, Treasurer, Messrs Capon, R. Carrier, L. Mitchell, and R. Orford.

In the absence of the President the vice-President called the meeting to order. On matters arising Terry Russel asked whether Christian names could occur on prize cards to avoid confusion, he was assured that the table show secretary would adopt this method. Terry Russel mentioned that he had been informed of attempts to reform the Chelmsford Society and members would like to attend S.L.A.B.A.S. meetings to pick up some tips. Ted Joyce reminded the committee that the library really needed the larger more comprehensive type of book and it was decided that the smaller type of booklet were, not really an asset to the library, Ken Adams stated that he would endeavour to obtain the services of F.B.A.S. judges a little in advance of when required. The point was also made that whilst juniors now had their own table shows to correspond with all senior shows, they would still be allowed to enter the senior shows, but points from both section would not be amalgamated..

### **KILLER WHALE RECOVERS**

Hugo, the two ton killer whale of Miami Seaquarium has now fully recovered from a serious bout of influenza. It took 150 antibiotic pills, 200 vitamin tablets and a huge dose of p[enicillin. Thats a WHALE of a story! !



## OPEN SHOW 1971

### SATURDAY MAY 22nd

LIBERAL HALL, CLARENCE ROAD, SOUTHEND-ON-SEA, ESSEX.

TRADE STAND REFRESHMENTS

F.B.A.S. JUDGES. MR. C.A.T. BROWN. MR F.TOMKNS. MR B. BAKER. MR C. CREED

### CLASSES

|         |                                               |     |                        |
|---------|-----------------------------------------------|-----|------------------------|
| A       | FURNISHED AQUARIA,<br>(tropical or coldwater) | K   | DAIOS & W.C.M.M.       |
| B.      | BARBS                                         | L   | LOACHES.               |
| C.      | CHARACINS.                                    | M.  | A.O.S. TROPICAL.       |
| D.      | CICHLID3.                                     | O.  | GUPPY - male           |
| Da. Db. | CICHLIDS - ANGELS.                            | P   | GUPPY - female         |
|         | CICHLIDS - DWARF<br>(Apistogramma.)           | Q.  | SWORDTAIL.             |
|         | (Pelmatochromis)                              | R   | PLATY.                 |
|         | (Nannacara)                                   | S.  | MOLLY.                 |
| E.      | LABYRINTHS.                                   | W.  | A.S. COLDWATER, FANCY, |
| Ea.     | SIAMESE FIGHTERS.                             | Wa. | A.O.S.COLDWATER        |
| F.      | EGGLAYING TOOTH-CARPS.                        | X.  | BREEDERS EGGLAYER3.    |
| G.      | TROPICAL CATFISH.                             | X a | BREEDERS LIVEBEARERS.  |
| H.      | CORYDORAS & 3ROCHIS                           | Y.  | TROPICAL MARINE.       |
| J.      | RAS3ORAS.                                     | Z   | PLANTS.                |

### ENTRY FEES

CLASS B to Na and Y CLASS X and Xa CLASS A Class Z

10p per entry.

12p per entry per entry per entry

Cheques, Postal Orders, and Money Orders should be crossed and made payable to Southend, Leigh and District Aquarist Society. Send your entry form together with entry fees to the Open Show secretary:-

R.D. Orford, 8, Blenheim Chase, Leigh-On-Sea, Essex

CLOSING DATE FOR ENTRIES Saturday 18th May 1971 BENCHING 6 pm until 11 pm

SHARP Sat 22nd May

OPEN TO THE PUBLIC FROM 2 pm to 6 pm

## RULES

1. Exhibits will be judged to F.B.A.S. standards. all exhibits to be the property of the exhibitor. If you are using your own
- 2- tank you must state it's size. Use 4" by 4" show jars where possible, A number of 6" by 4" show tanks will be available to exhibitors. Please return these show tanks after the show. Although every care will be exercised, no responsibility for loss or damage to exhibits and equipment will be taken by S.L.A.D.A.S.

### FURNISHED AQUARIA RULES

Tanks will be 18" X 10" X 10".

Tanks, fish, plants gravel, etc to be supplied by the exhibitor

1. Tropical plants in tropical tanks , coldwater plants
2. in coldwater tanks.
3. No coloured lighting permitted, lighting will be supplied by the show organisers and lamps will be rated at 40 watts, one lamp per tank only.

### BHSEEF.RS RULES

Date of birth must be stated on entry form.

No entry may be more than 1^ months old at date of show and must have been bred by the exhibitor.

1. Each fish may be shown in a separate container, the whole to count as one exhibit.
2. All exhibits must contain FOUR live fish.
- 3.

Any exhibitor contravening the rules will be liable to disqualification.

Judges decision will be final.

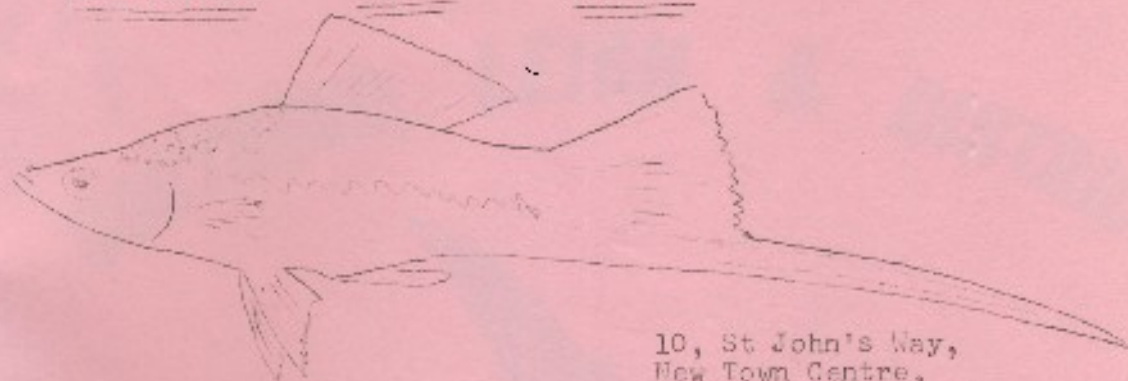
Only F.B.A.S. Officials and show stewards will be allowed in the exhibition area during judging.

## AWARDS

NORRIS TROPHY.....Best Male Guppy.  
ADAMS TROPHY.....Best cichlid , class D.  
JOYCE TROPHY.....Best Characin.  
BURLTON TROPHY.....Best Angel.  
WINDERMERE CUP.....Best Tropical Marine.  
CHES CUP.....Best Breeders Egglayers  
Ches Cup.....Best Breeders. Livebearers .  
EDWARDS CUP.....Best Barb.  
FISHY BUSINESS TROPHY...Furnished Aquaria.  
AQUARIST GOLD PIN... Best in Show.  
F.B.A.S. TROPHY class to be announced.

This list .is .complete at time of going to press

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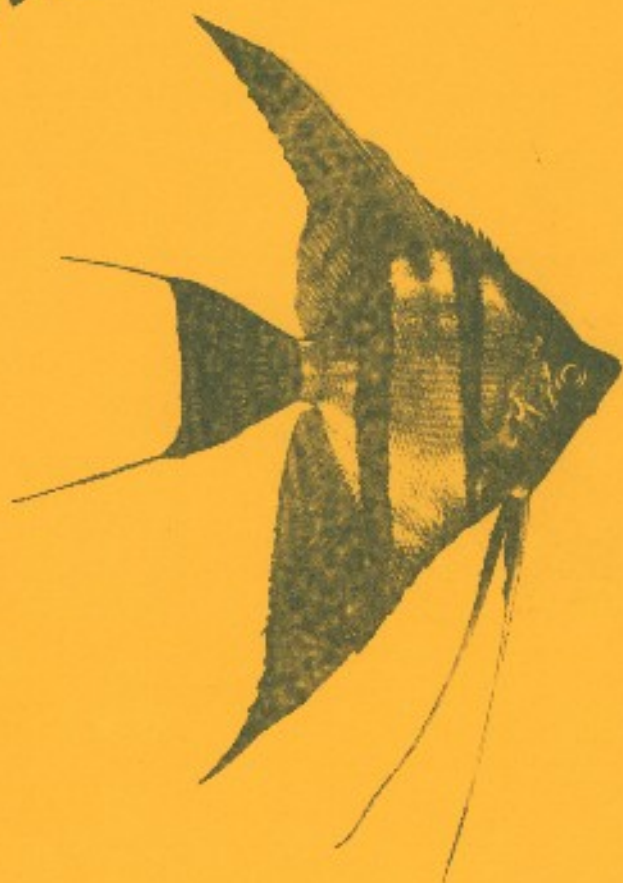
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*founded 1938*

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(founded "1938 or before)

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ESSEX.**

## **BI-MONTHLY JOURNAL Number 37**

**MARCH- APRIL**

**1971**

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S.L.A.D.A.S. QP.F.N SHOW 1971. May 22nd ; the Liberal Hall,  
Clarence Road, Southend -On-Sea. Details from Show Secretary R.D. Orford, 8, Blenheim  
Chase, Leigh-On-Sea.

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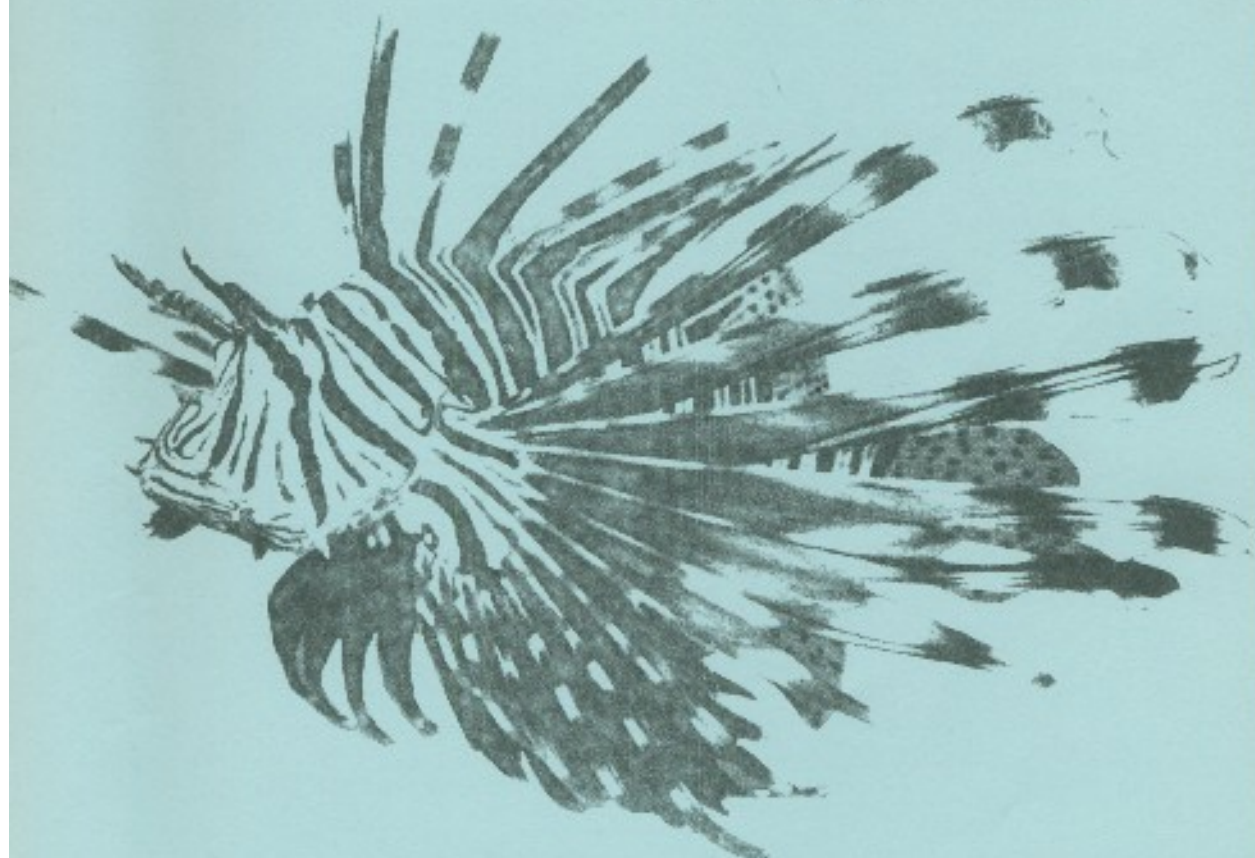
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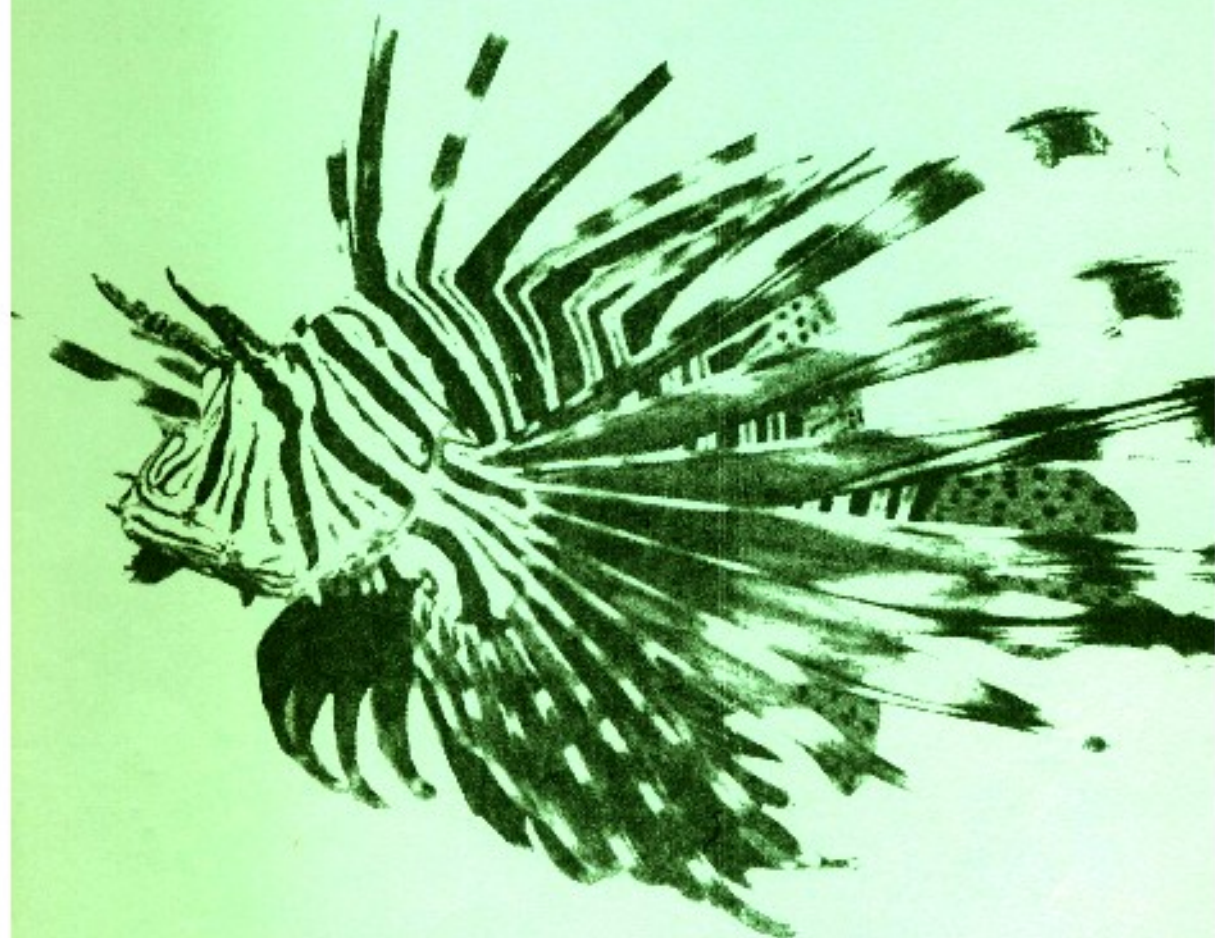
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### EDITORIAL

This is the last issue of this JOURNAL that you will read before the date of our OPEN SHOW so perhaps it is in order for us to write a few words on the effort required to mount such an event. We know that Don is also writing on the same subject over the page...(wait for it finish this page first) .... but with such a message you cannot be told too often !

First of all we want entries... next we want willing hands .... then we want members to sell tickets to their friends even to their enemies if they can !

Members still ask when is the show so perhaps a little further plug is needed MAY 22 or to put it another way MAY THE TWENTY THIRD, at the Liberal Hall, Clarence Road, Southend. The show secretary is Bob Orford and his address is ---- no! why should we spoon-feed you look it up it's on page three. If you have any queries at all please do get in touch with Bob — he really wants to make this show one to remember for years to come. (No I don't mean because the tanks all leak and the fish all are dead !)

We said that we were going to write on the effort involved in mounting the show but we seem to have run out of space !



## **PRESIDENT'S PAGE**

As the time of our OPEN SHOW is fast approaching it seems a good idea to remind us all, that now is the time to start reserving the specimens that we want to enter and to give them a little bit extra attention.

When you have your week-end jaunts for fish, and you see a fish that you like the look of, say to yourself, "Would it be a possible for our OPEN SHOW ?" Give these fish a little more room and perhaps a bit more of the live food, instead of the old packet stuff, and bring them into the peak condition to coincide with our OPEN SHOW date, a bit of V.I.P. treatment will work wonders with these.

Here, I am really aiming my sights at the newer members, don't think that because you have only just started fishkeeping or because this is your first year in the club' that showing fish is not for you, and adopt the attitude of leaving the showing to the old hats. This isn't so, our annual show is the only time that we put our club on view to the public at large, and it is on show.

The show committee have been organising this event ever since the doors closed on last years show, burning the midnight oil at committee meetings, making stands and displays and organising tickets, show schedules, catering and electrical services and a host of other jobs.

But unless the entries come from us, the club members, We just wouldn't have a show. Under this heading many members feel that they wouldn't have a chance, and yet, looking at the standard of the entries for the home furnished aquaria, some of the entries would walk away with a Trophy at the annual show. This is always a poorly supported class at shows. I know quite a number of juniors that would do well in this class. How about it juniors ? If you lean on a member with a fish house hard enough he should see you all right for a few plants to set it up with.

While on the subject of plants, see to your lighting and pick all those old snails off of your plants, and just to be on the safe side relegate those fish that love to chew holes in the leaves to another tank, and then you will have an entry or two in the plant class.

Well, I sincerely hope that I have given you one or two ideas and food for thought for our open show, if you have any doubts at all about showing a fish or entering a class a show committee member will put you right.

However, I will make this last point, how often do I hear not only at shows but week after week at our table shows, a member will say, " Coo ! I have got a better one at home than the winner !" Maybe you have, but the other fellow bothered to bring his along and that's why he's got a first card to prove it.

## EXCHANGE REVIEWS

by D.M.Cheswright

Due to the postal strike this feature will become somewhat absent in the near future after present issues in hand are exhausted; -we are well supplied at present and will spread what we have over future issues of the JOURNAL.

There is a useful article in Plymouth Society's **Fishy News** December 1970, giving tips on buying and keeping Discus. This subject is also covered in **PetFish Monthly**, November 1970, by D.W.Godfrey. Water of 2 - 3 degrees hardness. and a pH of 5.8 with peat filtration and a temperature of 82 - 85°F are recommended. On rearing Discus fry no brine shrimp was used; instead scrapped ox heart was found suitable.

Marine articles appear in **Toras Topics**, November/December 1970 and Bracknell Society's **Harlequin**, December 1970. It is interesting to note that Sea-horses do not seem to chase food — hence the difficulty in keeping them alive — they appear to eat what passes their mouths and brine shrimp is recommended as -we are unable to supply natural plankton.

A new magazine appears from America called Fish Life Published by Pet Scene Inc at 75 cents, (what is that in new pence ed? ---er- lummey 31.25p if you want to be exact, say Dave you're supposed to be the treasurer!.) The first issue contains articles on collecting Marine fish, harvesting and collecting brine shrimp, double tailed Bettas, and Piranhas. An interesting issue but similar to other magazines that are already available from the States.

The N.E. Indiana Society publishes lists of subscriptions due in their December **News Bulletin**. Any of our unpaid members please note, although I do not think this is a good way to remind them; This issue contains a reprint from "Lyretails" via "**Iowa Aquar1st**" by R.F.Wetzel on the Clown Loach. It is noted that this loach is not nocturnal as are most and it is also very colourful. It is, however, very much subject to white spot as it is scale-less. Dye type cures such as Methylene blue are not recommended as they may penetrate the skin - quinine hydrochloride can be used but no dosage is given. This species may live for 8 years or more. This article also appears in the **Iowa Aquarist** November 1970.

*Corydoras aneus*, (bronze catfish) are dealt with as a breeder's report in the November 1970 **\_Iowa\_ Aquarist**. The article is by Tom and Donna Riley and gives details of foods, type of water and temperature. A pair can be used or 2 - 3 males with one female.

## **TROPICAL MARINE FISHKEEPING**

by N. Sellers.

Since the publication of my article on the Wilhelma" Aquarium, Stuttgart in the club JOURNAL , I have received several enquiries regarding the possibilities of keeping marine tropicals. I have always been fascinated by these colourful and bizarrely shaped creatures and still look forward to the time when my finances will enable me to venture privately into their jewelled world. With this end in view I have over the past few years accumulated a host of literature devoted, to the subject and after a preliminary sifting through the contents I feel that I can at least make a small contribution towards the enlightenment of our interested members by way of an article strictly limited to an introduction.

Unfortunately lacking personal experience, in tropical marine fish I have, for the purposes of my article, been compelled to rely upon my observations in public aquaria: such as the Wilhelma and the Oceanographical Institute of Monaco, of conversations with their guardians, and references to literature unfortunately sparsely available in the English language. Most of our knowledge on the subject of keeping tropical marine fish in captivity is derived from the extensive research carried out in Western Germany, where a number of aquarists, zoological societies, and scientific institutes pool information to a common advantage.

Marine biology though superficially studied in the distant past, mainly in connection with the fishing industry, has only comparatively recently come into prominence as a systematized science due to the enormous strides taken in the development of the means of exploration of the ocean depths with electronic devices, cameras , and diving equipment such as the "bathyspheres" of Beebe and Picard aided by the availability of speedy transport for conveyance of specimens to laboratories, aquaria, and hobbyists through out the world.

How small and insignificant we feel when we view the vast expanse of the ocean during our leisurely stay by the sea-side and how infinitesimal our achievements appear as we watch the huge ocean liners disappear as dots on the horizon.

Even our present day knowledge of the ocean depths is so incomplete as to merit the title of the "Darkest Waters" much as in our school days Africa, then little explored, was called the "Darkest Continent", with William Bebe and Picard the "Stanley and Livingstone" of today shinning a glimmer of light In an almost unfathomable darkness.

Two thirds of the earth's surface is covered by water -over 200,000,000 square miles with an estimated volume of

some 900,000,000 cubic miles water mass, figures almost beyond human comprehension.

The conditions prevailing in the different oceans, the various areas of each ocean, and at varying depths must inevitably play an important role in determining the flora and fauna. The more precise our knowledge is of these conditions whether they be temperature, water pressure, availability of suitable nutriment, water quality, shelter from enemies, etc, the greater the chances of success in keeping our fishes in the unnatural confines of an aquarium. Our "charges" are at the mercy of our will and our technical knowledge, which must at its very best always remain a poor substitute for the conditions prevailing in their natural habitat.

For example electric light replaces the sun, an electric heater provides tropical temperatures, an aquarium the expanse of ocean, unnatural foods the maintenance of nutrition -all in all an artificial and not particularly reliable concoction a patch work quilt lacking the fine transitions of colour, certainly face a formidable challenge when they consider the creation and maintenance of a marine aquarium, and how thankful we must be for the varying adaptability of our living creatures, tolerating as they often do conditions far different to those they meet in nature.

We must, therefore, continuously strive towards the provision of living conditions as near approximate to those in nature as is -within our power, to seize upon every opportunity provided by modern science to prolong the lives of the creatures under our care and maintain them in health and happiness in their restricted environment.

(to be continued)

#### **TABLE SHOW POSITIONS**

(as of March 21)

|                  |           |                        |          |
|------------------|-----------|------------------------|----------|
| T. Clark.....    | 12 points | D. Cheswright.....     | 2 points |
| T. Russel .....  | 10 points | N..Brown.....          | 3 points |
| P.F. Capon,..... | 8 points  | J . Norris . , , ..... | 3 points |
| B. Burlton....., | 7 points  | K. Adams.....          | 2 points |
| G.Coe.....       | 7 points  | O. Pack.....           | 2 points |
| V.Burlton.....   | 7 points  | H. Dunmow.....         | 2 points |
| S.Norris.....    | 6 points  | A. Russel.....         | 1 point. |
| D. Little.....   | 4 points  |                        |          |

#### **JUNIOR POSITIONS**

|                    |           |                   |          |
|--------------------|-----------|-------------------|----------|
| C. Cheswright..... | 14 points | P. Mephram.....   | 7 points |
| I.Finlayson.....   | 12 points | Michael Chapman.. | 6 points |
| A.Relf.....        | 11 points | M.Thurby.....     | 4 points |

## YOU KNOW IT MAKES SCENTS

by P.F. Capon.

Lord Fishe of the Aquarium Metrification Board informs us of plans to decimate the aquarium hobby following the "success" of that other Lord, Lord Fiske in mucking about with our money.

Below you will find conversion tables for the new aquarium measurements; learn them , discuss then with your favourite dealer, ( a suitable type of impact resisting head-gear is suggested!), and if you require more information write to Lord Fishe, Metrification Board (Aquarium Division), Room 101, 22nd Floor, Decimation House, Whitehall, W.I.

The first definition to learn is that of the New Standard Aquarium equivalent to 10 litres or in the imperial measurements 0.234286219 gallons. The old standard tanks can be converted as follows:-

| <b>Imperial size</b> | <b>Standard Aquarium</b> | <b>Gallons</b> | <b>Metric size</b>     |
|----------------------|--------------------------|----------------|------------------------|
| 12 X 12 X 12         | 2.83                     | 6.23           | 30.48 x 30.48 x 30.48  |
| 12 X 12 X 24         | 5.66                     | 12.46          | 30.48 x 30.48 x 60.56  |
| 12 X 12 X 48         | 11.32                    | 24.92          | 30.48 x 30.48 x 121.92 |
| 12 X 12 X 60         | 14.15                    | 31.15          | 30.48 x 30.48 x 152.40 |
| 12 X 12 X 72         | 16.98                    | 37.38          | 30.48 x 30.48 x 182.88 |

It will also prove useful to memorize the following new relationships . -

one standard aquarium = 10 cms by 10 cms by 100 cms

one standard aquarium = 3.93 inches by 3.93 inches by 39.37

one brood = 100 fry

one new standard fish = a fish one cm long

one standard aquarium shall contain one standard fish

one white spot = one standard disease

100 white spots = one standard epidemic

1000 white spots - one standard disaster.

10 standard aquaria = 1 set-up = 100 litres = 23.43 gallons

10 set-ups = one standard fish-house 1,000 litres – 234.28 gallons

10 fish-houses = one standard public aquarium = 2342.86 gallons

100 public aquaria = one zoo aquarium = 100000 litre = 234286.22 gallons

For those of you who are still reading perhaps you would like to try a couple of examples so that you are ready to be decimated along with your fishes, -for the rest of you pleasant nightmares !

**Question One** If you went: into an aquarium shop that had been concerted and decimated to buy a tank for 2½ broods of rosy barbs each of which was an ½ standard fish, assuming you haven't got a metric bucket at home , how many gallons of water would it take to fill the tank?

**Question Two** If you had a six foot guppy (don't tell Steve !.) how many standard tanks would you need to house it, and what would the old size equivalent be?

**Answers**

**Question One**                    292.9 gallons   **Question Two**                    28.4 standard aquariums, 120 x 12 x 12

**CLUB NEWS**

**Meeting January 19<sup>th</sup>**

This evening \we had a talk on plants, and also the first trial of splitting up the club into beginners and non-begginner the non-begginner went outside for a general chat but there only seven people outside in the smaller room and two of those were visitors from Thurrock - - must be a moral there !

Oh ! Dear the splitting up of the club did not take place this night it was the next meeting (resign forthwith editor -you are incompetent

**TABLE SHOWS .**

**BARBS**

- 1...G. Coe..... half band ed.....86 points
- 2,..Mrs J. Norris.....rosy,.....83 points
- 3...S. Norris.....rosy. ....82 points
- 4...B.Burlton.....cherry.....76 points

**PLANTS**

1. ..T. Russel..... cabomba.....68 points
2. ..N. Brown..... hygrophila.....61 points
- 3... B. Burlton .....Aponeton.....56 points

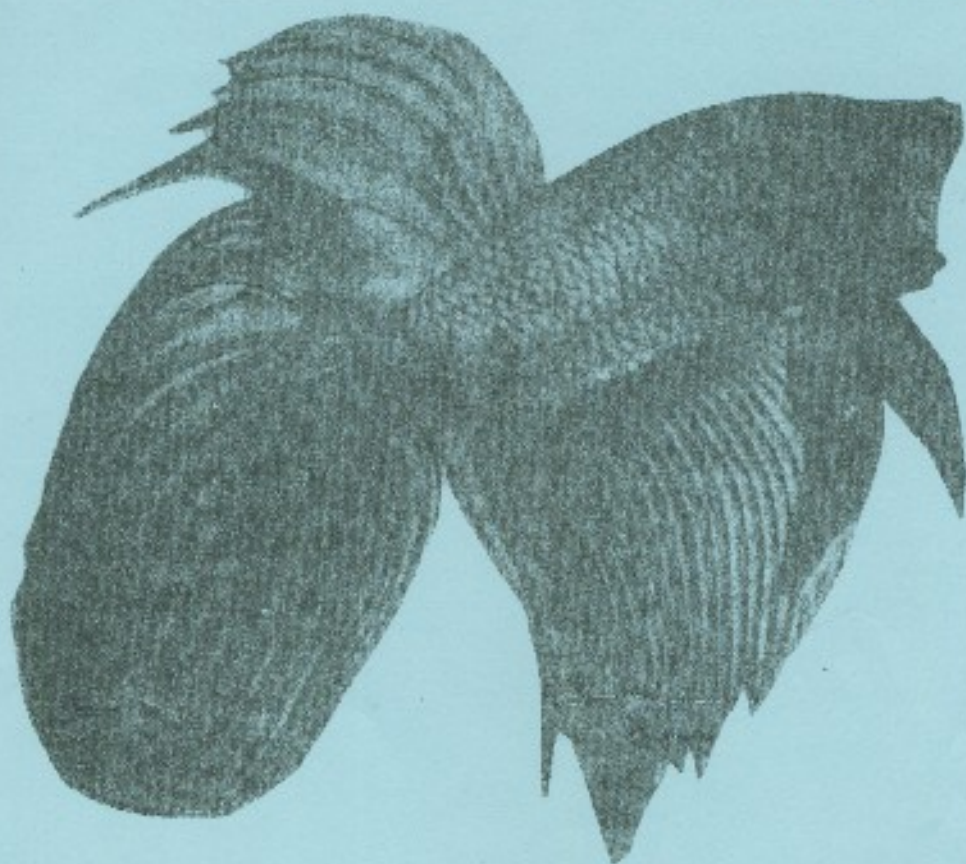
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**BARBS Juniors**

- 1...C. Cheswright....., tiger.....74 points
- 2...I. Finlayson..... .rosy.....59 points
- 3,.Michael Chapman.....half-banded.....57 points



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## PLANTS JUNIOR

1...I.Finlayson,.....hornwort.....55 points

**Raffle** the raffle was won by Peter Carr, what Mr Carr won the editor's notes neglect to say, and a filter by Wally Hadkiss

## Meeting February 2<sup>nd</sup>

This -was the meeting where the split up of the club was tried (has he got it right this time?). Don Finch gave a talk, on aquarium maintenance to something like 98% of members present, that sounds odd, but you know what I mean.

## TABLE SHOWES

### FEMALE EGGLAYERS

1. .B. Surlton.....scissortail
2. ..G. Coe, .....thicklip
- 3....P.F.Capon.....fighter
- 4... K. Adams.....honey

### PLATY

- 1..... D. Little.
2. ....V. Burlton.
- 3.....O. Pack
- 4.....A. Russel

### FEMALE EGGLAYER Junior

- 1.....P. Mephan.....Dwarf gourami
- 2,. C. Cheswright,.....leeri.
- 3....I. Finlayson. ....checker barb.
- 4...A. Half..... golden barb

### PLATY Junior

- 1.....M. Thurbey
- 2.....-P. Mepham.
- 3.....A. Half,

The judges were D.Cheswright for the seniors and T. Clark for the juniors.

The raffle winners were A .Russel with a set of six glasses .Mr Mitchell with a bag of plant, Mr Machin with some rock, and .Preston with some plant. Nice to see you back Howard where do you keep disappearing to?

### **Meeting February 16**

This evening was the first round of our new table show the Members Challenge, there were 56 entries and poor Ed Niccol had to point everyone of them. How did your fish do? Now that would be telling, only one person knows that -Ed the judge and he's not telling - you'll just have to keep entering for the next three rounds and see !

At great expense that highly biased quizmaster and sometime scribe was engaged to compile the quiz (what do you mean carve-up Mr Orford?-). Now it can be revealed you editor was paid a fee for his appearance our treasurer Dave Cheswright grudgingly paid out a whole new half penny - I've never seen one made of plastic before !

The result of the quiz was:-

Committee team 13 points, over one year in club team 16 points, under one year in the club team 22 points, juniors 33 points.

The raffle winners were.- Mrs Orchard with a whiptail cat, Don Finch with an aneus cat, Michael Chapman with an aneus cat, and N.Terry with a coil of air tubing.

### **Meeting March 2**

First of all this evening Don kicked off with a quick run down on rearing fry, the most important point he made was not to try to raise too many youngsters - a dozen or so good uns are far better than a hundred runts. Then Don handed over to Larry Curtis and his colleague Ron whose surname escaped me, for a selection of slides and a talk on marine set up and how it is done successfully. We found the talk very interesting with Larry as the enthusiast and Ron as the one with the scientific background, another talk by these gents should go down well.

### **TABLE SHOWS**

#### **TOOTH CARP**

- 1... T.Clark.....Dwarf panchax.
- 2...

#### **DANIO . RASBORA, WHITE CLOUDS**

1. .T. Clark .....pearl danio.....76 points
- 2.. .D. Cheswright.....harlequin..... ..75 points
- 3.. .H. Dunmow..... .f ire-tail..... ....71 points
- 4-. .K. Adams .....,. flying barb..... ...68 points

#### **TOOTH CARPS Junior**

- 1...C. Cheswright .....australe.....63 points
- 2... C. Cheswright.....australe.....61 points

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## **DANIOS, RASBORA.WHITECLOUDS. JUNIORS**

|                                  |            |
|----------------------------------|------------|
| 1...A.Relf.....zebra.....        | 70½ points |
| 2.. A.Relf ..... zebra.....      | 70 points  |
| 3...I.Finlayson.....W.C.M.M..... | 66 points  |
| 4...I.Finlayson.....W.C.M.M..... | 65 points  |

The raffle was won by D. Edwards... a vase, Dave Little., a pair of tiger barbbs , Henry Dunmow ..a par of white clouds, and Alan Staples a pair of zebras, (Hey what are barbbs, and what arr a par of white clouts? - search me.')

## **COMMITTEE MEETING REPORT**

The meeting was held at 2, Cedar Avenue, Wickford, on 26th of January 1971- Present were President ,Secretary, Treasurer, Mrs Clark, Rodger Carlier, Peter Capon, Terry Russel, Ken Adams, Nobby Clark, Lawrence Mitchell, Ted Joyce, and Dave Edwards.

Mr Mitchell was asked to over-print the prize cards for the open show and he also offered to print the tickets for admission. The Treasurer confirmed that he would purchase a Spanish Goblet to be presented to the winner of the Members Challenge Trophy, the show secretary confirmed that he had secured the services of E Nicoll as judge. It was also decided that points from the members challenge competition would not count in the highest points competition. Mr Joyce requested that arrangements be made for a visit to either the London Zoo or Kew Gardens , Mr Russel volunteered to enquire the date of the first .Aquarist Sunday.

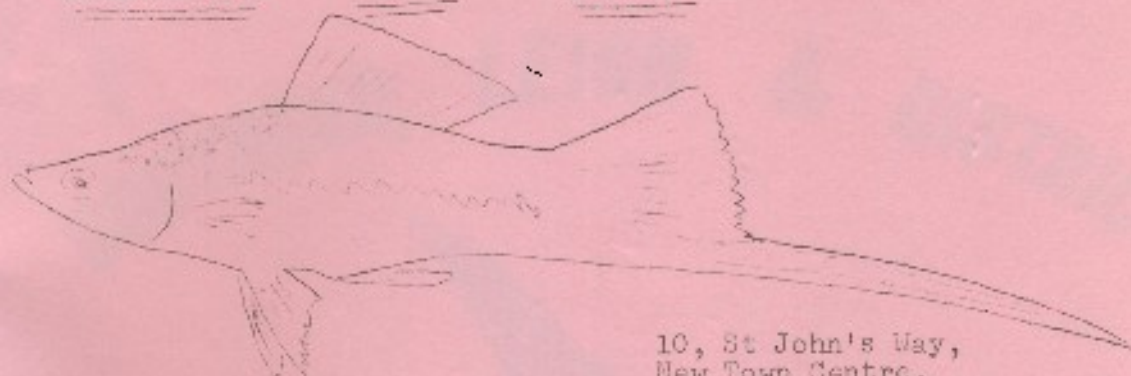
Mr Russel asked for confirmation that members fish could be entered in table show in their absence. Rodger Carrier suggested more items on the program to interest the marine side of the club. The treasurer reported that he could obtain brine shrimp eggs by the half pint and also that the caretaker at St Andrews had requested a donation towards the redecoration of the hall. The treasurer stated that the. Open Show Secretary would be pleased to hear of anyone who could loan spot-lights for the OPEN SHOW. A suggestion from the floor was raised by the P.R.O. regarding members meeting informally at an hostelry to discuss mutual interests on the second and fourth Tuesdays in the month.

The meeting was adjourned at 10.35 pm.

## **SPAWNING REGISTER**

Members are reminded that to qualify for entry in the breeders table shows, fry should be registered on hatching with Ken Adams. All Ken needs is your name the fish and the hatching date.

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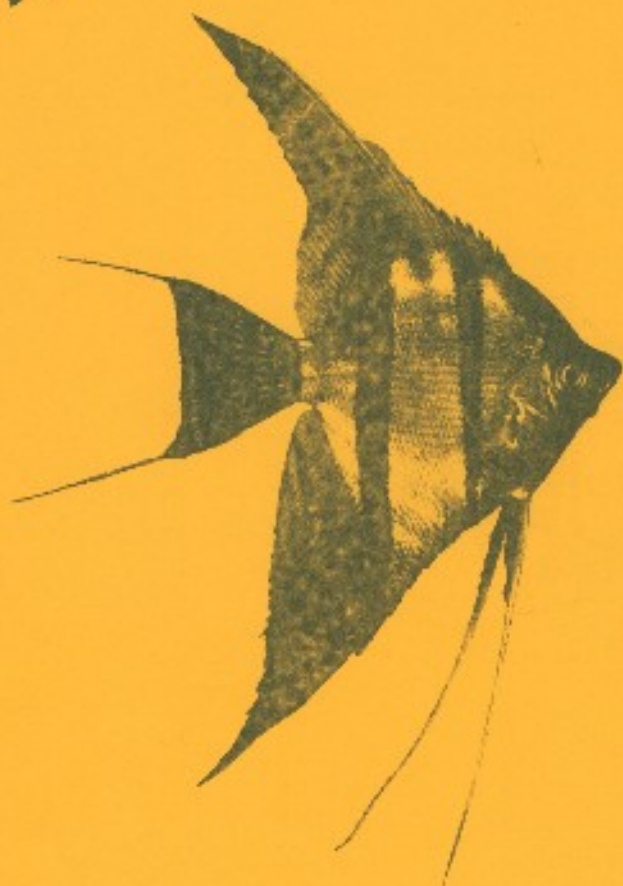
P.S. I ALSO CATER FOR ALL OTHER PETS

Yours faithfully

(signed)

*Eddie*

**SOUTHEND, LEIGH & DISTRICT**



**AQUARIST SOCIETY.**

*founded 1938*



**THE SOUTHEND. LEIGH AND DISTRICT AQUARIST SOCIETY (**

founded 1938 or before;

The Society meets every first and third Tuesday in each month at 8.00 p m, at :-

ST ANDREWS HALL  
ELECTRIC AVENUE  
WESTCLIFF-ON-SEA  
ESSEX.

**BI-MONTHLY JOURNAL Number 38**

**MAY – JUNE 1971**

**OPEN SHOW ISSUE**

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**WHO KILLED LAKE EYRIE ?**  
**WHO IS NOW KILLING LAKE CONSTANCE ?**





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## PRESIDENT'S PAGE

by Don Finch

TO FELLOW AQUARISTS, JUDGES, SHOW COMMITTEE, GENERAL COMMITTEE, CLUB MEMBERS PAST AND PRESENT AND THE PUBLIC AT LARGE, A VERY HEARTY WELCOME TO OUR 1971 OPEN SHOW. THIS IS YOUR ONLY OPPORTUNITY OUR CLUB HAS OF PUTTING OUR VARIOUS ASPECTS ON VIEW TO THE GENERAL PUBLIC, WE HOPE YOU ENJOY YOUR VISIT, AND FIND SOMETHING TO KEEP YOU INTERESTED?. IN OUR FASCINATING HOBBY OF KEEPING FISH, BE IT TROPICAL, FRESHWATER, OR MARINE. THIS HOBBY OF OURS IS CONTINUALLY FINDING NEW SPECIES OF FISH, AND OF COURSE FINDING HOW TO KEEP, AND IF POSSIBLE HOW TO BREED SOME OF THEM. IN FACT ONE IS ALWAYS LEARNING SOMETHING NEW, AND THIS IS WHY IT IS SUCH AN ABSORBING HOBBY, IT PRESENTS A CHALLENGE.

IF ANY OF OUR VISITORS WISH TO KNOW ANYTHING AT ALL ON ANY ASPECT OF OUR HOBBY, DO NOT HESITATE TO ASK., YOUR QUESTIONS WILL BE MOST WELCOME, IF A STEWARD CANNOT DEAL WITH IT, HE WILL PASS YOU ON TO SOMEBODY WHO CAN. IF YOU WOULD LIKE TO FURTHER YOUR KNOWLEDGE OF OUR WONDERFUL WORLD OF KEEPING FISH, A WARM WELCOME AWAITS YOU AT OUR MEETING PLACE, ST ANDREWS HALL, ELECTRIC AVENUE, WESTCLIFF-ON-SEA. WHERE WE MEET ON THE FIRST AND THIRD TUESDAY IN THE MONTH. JUNIORS MOST WELCOME.

I WOULD LIKE TO TAKE THIS OPPORTUNITY OF THANKING THE JUDGES, MANY HAVE TRAVELLED A GOOD DISTANCE TO JUDGE OUR EXHIBITS, ALL OUR FELLOW AQUARISTS FROM OTHER SOCIETIES, OUR OWN SHOW COMMITTEE WHO HAVE WORKED SO HARD TO MAKE OUR SHOW POSSIBLE, OUR WONDERFUL LADIES FOR ORGANISING THE REFRESHMENTS, THE TRADERS FOR THEIR SUPPORT, AND ALL THE COMMITTEE AND CLUB MEMBERS FOR ALL THE THANKLESS TASKS THAT HELP TO MAKE A SHOW. IF OUR EFFORTS HELP MORE OF YOU, THE PUBLIC, TO KEEP FISH,, WE WILL HAVE DEEMED OUR EFFORTS WORTH-WHILE.

THANK YOU ALL FOR YOUR SUPPORT AND GOOD LUCK FOR YOUR FISHKEEPING IN THE FUTURE.

## EDITORIAL

For the first time in the history of S.L.A.D.A.S. JOURNAL, at least since Capon's been the editor, the editorial has been relegated to page six ! Why is this ? Is the editor in disgrace ? No the editor is not in disgrace — well no more than usual -he usually manages to upset someone.

The fact is that we thought Don's message on his editorial page merited coming first because this is after all the OPEN SHOW issue.

The next thing we would like to say is that if you are not sure whether or not you'd like to join S.L.A.D.A.S. you are quite welcome to pop along to one of our meetings to see whether you like us. We meet at St Andrews Hall Electric Avenue., Westcliff on the first and third Tuesday in each month.

In addition to the twice monthly meetings we also have meetings with other clubs in the East London and Essex area, we arrange outings both fishy and otherwise, and we have a social and dinner and dance. We are also Open to ideas on how to improve our club (we hope it'll soon be yours too!), where practicable we try to incorporate these into the next years program.

One of the most popular items on our program is the table shows for various groups of fishes. Perhaps we had better explain a table show is a competitive exhibition of fishes — just imagine if we hadd real tables arrived for judging one night — do wooden ones get more points?

In addition we have talks on many different aquatic topics, often illustrated with slides from our own extensive library.

Do join Southend, Leigh and District Aquatic Society help us to make S.L.A.D. A..S. an even greater success than it has already been. Everyone keeping fish should be a member, they owe it to their fishes.

In case the foregoing commercial for S.L.A.D.A.S. has given you the impression that S.L.A.D.A.S. is hard up for members, then perhaps we had better correct this for the Society now enjoys a greater membership than ever; it's just that we think that S.L.A.D.A.S. is too good a bargain for you to miss. The name of the Society is known around the globe through this JOURNAL which is sent to other clubs, aquatic publishers, and aquatic manufacturers.

Pop in to one of our meetings and see what you think !

## EXCHANGE REVIEWS

by D.M. Cheswright

The Exchanges are again arriving after the postal delays but the March Aquarist and Pondkeeper, and several issues of Pettish Monthly seem'o have gone astray. (They've all turned up, editor).

A useful article on the spawning of Honey Gouramis appears in the September 1970 issue of **Mollie's Manual**, from Swansea Canada. This is by Jack Greenleaf and much detail is given.

Anyone want to keep eels?? See. the Newcastle Aquarium Society's "**Aqua-Chat**" for November 1970 for an article by E Mansfield. The August 1970 issue of "**Aqua-Chat**" contains full details on hydra reprinted from our own JOURNAL and by D.W. Roberts, F.Z.S. Also a beginners article on goldfish breeding by Anon.

The Journal of the San Francisco A/S. "**Anchor**".!Nov '70 contains many useful items. The Egyptian Mouthbreeder is covered by .Kappy Sprenger in her reviews, and the Guppy by Elsie E.Rufer. Fin Talk covering expert answers to readers questions is another interesting section of this well prepared issue.

The Greenwater A/S's November 70 issue of the "**INFORMER**" contains a reprint from the October 70 issue of "**Heart of America**" entitled "Let's Spawn *Pelmatochromis guentheri*" by Betty Schank. Being a mouth brooder, after the eggs are laid in the bottom gravel the male takes them up, he sometimes transfers them to the female during the 2/3 weeks incubation period when he wants to feed. The writer states that the female is usually larger than the male and more highly coloured. "How you might Spawn Your Corvdoras" by Georgia Paul, a reprint from "**Fish Tales**" May 1970, is also in the "**Informer**", the same month as above. Much useful information in this three and an half page article.

"Killie Maintenance" by Allen Johnson is in the November 1970 issue of Oklahoma's **O'Quarist**. This covers water, etc conditions for egg laying tooth carps. A particular point made by the author is that care must be taken in transferring fish from hard to soft water to avoid possible rupture of the Gill blood vessels. Your reviewer has not experienced this ----

Any comments from readers?? The author uses under-gravel filters in his growth tanks and very little in the way of plants.

Tips on aquarium building are in "Do's and Don'ts on Building Large Aquaria" by Edgar Turney in the December '70 issue of **O'Quarist**. Come on and read you Marine Maniacs !

All these and many more exchange magazines are in the library check them out and start to really learn something.

by Anon.

One family of freshwater tropical fishes, the Poeciliidae, has particular appeal to the amateur fish keeper; its members are peaceful, easy to keep and feed, and, being easily bred, are excellent subjects for beginners to the hobby.

The livebearers are so called from the fact that their young undergo the transition from egg to embryo and from embryo to fully formed fish inside the body of the female, from whence they issue as fully mobile reproductions of their parents. Their natural habitat is the river systems of Eastern Mexico which empty into the Caribbean, the Panama Isthmus and the extreme North of the South American continent, and it is interesting to note that one species, *Poecilia reticulata* (the popular guppy), was instrumental in keeping down the mosquito population during the building of the Panama canal.

Probably the most popular of the livebearers are:-

***Poecilia reticulata*** ( in older books it appears as *Lebistes reticulatus*) - the guppies: there are now many varieties of these active- and in the case of the males, brilliantly coloured little fishes, varieties which take their name from the shape of the tail for instance - Pin-tails, lyre-tails, Swordtails, Roundtails, Scarf tails, double sword tails, veiltails, Delta tails, cofer-tails, (the last named after the cofer or Welsh miners shovel). The range of colours and combinations of colours has to be seen to be believed.

***Xiphophorus maculatus*** - the platies these are larger than the guppies, being from 1½ to 2 inches long when fully grown, and their particular beauty lies in their bright background colours and in some of the newer varieties the fins are long and flowing. Closely related to these are:-

***Xiphophorus helleri*** the swordtail, so called because the males grow a long sword-like extension from the base of their tail fins. The chief colours are red or green, there are also the black finned wagtail types and even albinos. Types with flowing dorsal fins or even lyre shaped tails are available. They grow up to 2½ to 3½ inches and are the only species which sometimes digress from the usual peaceful nature of the group - some males are inclined to bully others of their kind. There are also more rarely found black and golden strains.

***Poecilia (Molliensia) latipinna sphenops***, etc, the mollies-: these compare in size to the swordtails. The most popular colour is black, with a gold edging to the dorsal and tail fins. In some types one finds a magnificent dorsal fin higher than the depth of the body, which gives the fish it's descriptive name of "Sail-fin". In this group we also find the Perma black - so called because of it's complete matt black overall colouration (oven the eye is black), and the speckled molly in which there is an attractive mottled black and grey colouration. Some authorities now regard the mollies are closely related to the guppies and as such the generic name (first name) of *Pocilia* is more correct..

***Heterandria formosa*** - the mosquito fish, these are the dwarfs of the group, growing to no more than 1 to 1¼ inches in length, and are so named because of their pretty grey and brown lace-like markings, resembling the markings of some types of mosquitoes.

All these fishes are chiefly vegetarian feeders, and like particularly to browse on the mossy growths of algae which appear in most aquaria under the influence of light. They will thrive on the typical brands of dry foods and seem fond of "Bemax", a cereal food that has acquired a good reputation in the hobby; but variety in the form of cooked shrimp, spinach, mosquito larvae and daphnia is always beneficial.

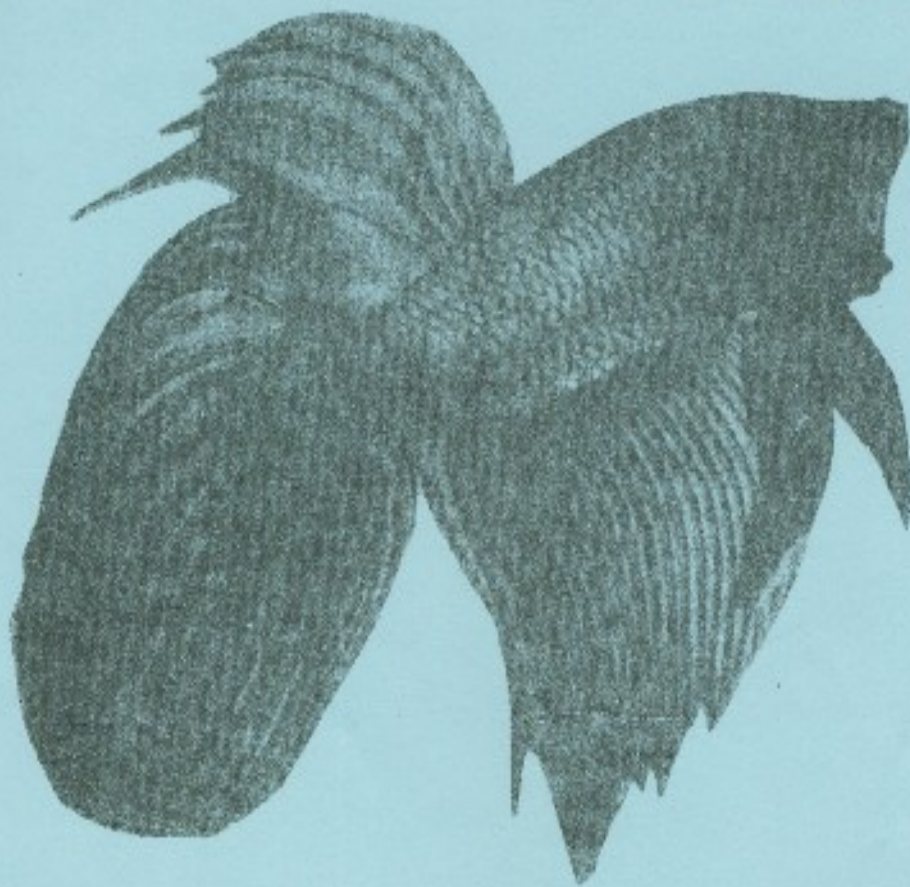
They may be kept at temperatures ranging from 70 to 80°F although these are by no means their limits, but should not be subjected to sudden and too great variations. They breed most successfully at between 75 and 80 degrees, and once a mature female has been fertilized by a male, she will normally produce three and sometimes four families at intervals of some 4- to 5 weeks without further attention from her mate..A peculiarity of these fishes is that during the early part of their life they show outwardly only female sex characteristics and it is not for a period of varying from 2 to 4 weeks that those fishes which are ultimately to be males begin to develop the male characteristics. The actual differentiation between the sexes is very simple once the fishes are adult; whereas in the female the large anal fin underneath and nearest the tail is a full fan shaped fin, in the male it is no more than a thin spike carried close to and parallel to the body.

It may be of interest to know; that cases occur quite frequently of adult female swordtails, even after they have produced families of young, changing sex completely, and developing the long sword extension on the tail (chief characteristic of the male).

**Editors note:** it is now considered that sex changes do not occur in swordtails



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Finally a plea to those who are considering taking up the interesting study and breeding of these fishes, and to those who may have already started; they will cross-breed readily, both between different colour strains of the same species and in some cases between the different species themselves, but this, unless in the hands of an expert who really knows what he is doing, will almost always result in a deterioration of the good features of both parents as passed onto the babies. Thus a good characteristic, e.g. depth of colour, which someone has probably striven hard and long to produce by selective breeding will be ruined by the thoughtless cross-breeding, and once it has been spoiled it is extremely difficult to re-establish. So please do breed with good fishes of the same species and colour, thereby improving the strain still further and greatly benefiting the hobby as a whole.

## **PING-PONG AND GOLDFISH**

by S.L.A.D.A.S. foreign correspondent

The national, indeed the international, newspapers have waxed euphoric on the recent table tennis matches arranged in Red China. This has been hailed as heralding a slight change in Peking's policies, by many political pundits.

But, **S.L.A.D.A.S. JOURNAL** foretold a softening of attitude, Number 33 July 1970, when we reported the rehabilitation of the goldfish after four years of attempted annihilation by the Red Guards.

In May 1970 the Kwangtung Aquarium in the Canton Cultural Gardens re-opened, in May 1971 International Ping-Pong is resumed. Now say the study of fishes isn't important - it even foretells the future.

When every politician in the world owns an aquarium perhaps the world will be a better place. BUT, perhaps not, for although Winston Churchill was dedicated to the cult of the goldfish so too was ADOLF HITLER!!

Hitler had an aquarium constructed with a plate glass top which served as a table and ordered Eva Braun to serve at this table dressed in a diaphanous green gown.

It just goes to show how many people are interested in fish, Chairman Mao, Adolf Hitler, Winston Churchill, Bert Bloggs, .....Bert Bloggs????

## **COLD FISH**

by D.W. Roberts. F.Z.S

Perhaps the most singular difference between mammals and reptiles is that the former are warm blooded whilst the latter are cold blooded, a characteristic indeed which reptiles share with amphibians, fish, and all the host of invertebrate animals. This difference has a profound influence on the method of keeping them. It also goes a long way towards explaining their world distribution.

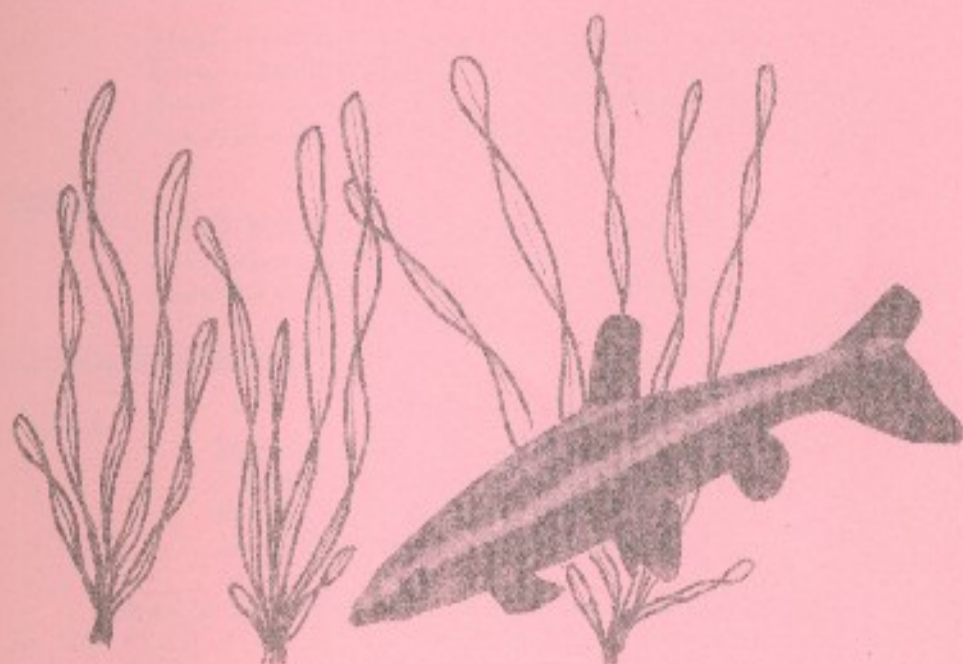
Now the terms warm blooded and cold blooded are rather unfortunate because they are not strictly accurate.

What the birds and mammals have really developed is a method of keeping their body temperature constant and therefore independent of their surroundings. This constant temperature is set rather high, so that in a tropical climate the body temperature will always be above that of the surrounding air. But in a tropical climate the air temperature, except during the night, is often well above these body temperatures. In these circumstances all creatures might be described as cold-blooded.

In contrast, the body temperatures of all other animals including reptiles and fish, vary with the temperature of the surroundings, and these variations are of extreme importance in the lives of these animals. The life processes of any creature depend upon a complex series of chemical reactions, spoken of collectively as metabolism. Now these chemical reactions obey just the same laws as any reaction taking place in a laboratory test tube, and in particular the rates at which they occur depend upon temperature. In the laboratory the rate of any chemical reaction is roughly doubled for every 10°F rise in temperature.

Thus it is that the metabolism of a cold blooded creature varies according to the temperature. Fast movement in fish, for instance, can only occur when the water is warm, while in cold weather only slow movement is possible.

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## CLUB NEWS

### Meeting March 16

This evening Dave Edwards told us of the habits of that group of fish that in many cases demand that tank, that is just a little bit larger - - the cichlids. Dave outlined their water requirements and breeding habits.

The raffle was won by:-

John Robson.... a pair of thomasi, C.J.Lyon .....outside filter.

John Robson .....a pair of white clouds. Terry Russel.. ...thomasi

### TABLE SHOWS CICHLIDS (adult)

- 1...B.Burlton.....festive
- 2.. .K. Adams.....pike
- 3...Mrs V. Burlton.....marble angel.
- 4.. .R.B. Carrier..... convict

### CICHLIDS (junior)

- 1.. .P.Mephram.....blue acara»
- 2.. .M.Thurley.....convict.
- 3.. .P. Outlen.....pike
4. .M. Thurley.....f iremouth

### MINI-TANKS. (adult)

- 1...D.Little
- 2...T.Clark
- 3...Mrs V. Burlton
- 4...B.Burlton.

### MINI-TANKS (juniors)

- 1...I.Finlayson
- 2...Michael Chnpman
- . 3..A.Relf.
- 4...A. Relf,

The judges were Derek Durrant (cichlids adult), Terry Russel (cichlids junior), Don Finch (mini-tank adult), Terry Russel (mini-tank junior)

### INTER-CLUB MEE.TING AT BILLERICAY

#### BARBS

- 1.. .Mr Everton..... .East London,
2. . .G. Coe.....Southend.
- 3.. .3....T.Clark.....Billericay
- 4.. .4.....E.Niccol.....Thurrock

## **FIGHTERS**

- 1... A. Field ..... East London.
2. . W.Corby ..... East London.
3. . D.Durrant ..... Thurrock
- 4.. W.Corby ..... ..East London.

## **PLATYS**

1. . R.Kay ..... Billericay.
2. . D.Durrant ..... Thurrock.
3. . B.Kay ..... Billericay.
- 4 . W. .Corby ..... East London.

The judge was Frank Tomkins F.B.A.S. , who remarked on the number of fishes benched, particularly in the fighter class. The job of judging all those fish was really too much for one person. Next morning Frank was judging at the Open Show at Hackney Baths and our spies tell us of the relatively poor number of entries in the fighter class compared with this inter-club show'.

For entertainment Billericay supplied two films , when they had scoured the town for a projector that is , one on the Wedgewood factory and one on wild life in the Union of Sotith Africa, the sound track of this second film attacked our ears by way of a bird with an excruciating voice throughout the showing whether the screen showed elephants, lions, or even motor-cars I Eddie Niccol was heard to request a fire-arm to "shoot that pesky bird".

## **Meeting April 6 INTER-CLUB QUIZ TABLE SHOW**

### **CATFISH**

- 1 . . . T . Clark ..... Southend .
- 2.. T.Clark ..... ' . Southend.
3. .D. Littl e ..... Southend.
- 4 . .R.D.Orford ..... Southend.

### **CICHLIDS**

- 1.. K. Adams.....Southend.
- 2.. M. Jones.....Witham
- 3-..D. Cheswright....Southcnd.
- 4.-.. P.Holme.....Billericay.

## **COLDWATER**

1. .G. Coe ..... Southend.
2. .k. Adams ..... Southend.
3. .Mr -Ketley ..... Brentwood.
5. .L. Mitchell ..... Southend.

## **LABYRINTHS**

1. .G. Coe. . . ..... Southend.
- 2... G. Coe ..... Southend.
3. .B. Burlton ..... Southend.
- 4- . ,R. B. Carrier. . . .Southend

The judges were Eddie Niccol (Cnts and Cicblids) Derck Durrant (coldwater and labyrinths).

Ron Dodkins was the quiz master with Frank Vickers as adjudicator. The results were Brentwood ^7 points, Southend V; points, Billericay M-3 points, Witham M-1 points, a very close contest. Terry Russel was score keeper.

The raffle winners were :-

- K. Lynn« ..... Witham ..... table lamp.
- J.Parmenter ..... Brentwood ..... f ilter.
- Chris Finch. . . .Southend ..... food.
- B. Burl ton. . . ..... Southend ..... air-line
- M. Chapman ..... Southend ..... air-line.
- N. Brown ..... . .Southend ..... Fish
- T. Russel ..... Southcnd ..... Fish.
- Wally Hndkiss. .... Southcnd ..... OPEN SHOW tickets
- R. Warren ..... . ..... Brcntwood. . . .Fish.

## **Members Challenge Trophy**

In addition to the trophy already to be awarded Ed Niccol is kindly offering a trophy for the best exhibit by a Junior member. It is possible as far as we can see for a junior member to win the competition and go home with two cups !

So come on you junior pot-hunters keep bringing those fish up !

## Meeting, April 20

Not much can be said about this evening auction, except that a large number of fishes and equipment changed hands. For those members who perhaps don't know - 25% of the price fetched goes towards club funds.

The second round of the Members Challenge competition was held, already some 23 fishes have dropped out of the contest either through death or lack of interest on their owners part., if this trend continues Eddie will have a progressively easier job of judging for the next two rounds.

The raffle was won by;-

Mr Coorabcr.....plastic tank..

Miss Hill.....wagtail platys.

Ed Nichol.....two thomasi.

Mr Orchard.....coil of air tube.

### TABLE SHOW POINTS (as of April 20<sup>th</sup>)

|                              |                            |
|------------------------------|----------------------------|
| T.Clark.....26 points        | A. Chapman.....5 points    |
| G.Coe.....21 points          | A. Staples.....3 points    |
| .K. Adams.....18 points      | N. Brown.....3 points      |
| B.Burlton.....13 points      | R.D..Orford..... 4 points  |
| Mrs V. Burlton.....11 points | Mrs E. Coe.....2 points    |
| D. Little.....11 points      | H .Dunmow.....2 points     |
| D. Cheswright.....10 points  | O.Pack.....2 points        |
| T. Russel.....10 points      | R.B. .Carrier.....2 points |
| P.F. Capon.....8 points      | A. Russel.....1 points     |
| S. Norris..... 6 points      |                            |

### JUNIOR TABLE SHOW POINTS (as of April 20)

|                              |
|------------------------------|
| I. Finlayson.....17 points   |
| C.Cheswright.....14 points   |
| P.Mephram.....11 points      |
| Michael Chapman.... 9 points |
| M.Thurbey..... 8 points      |
| P.Outen..... 2 points        |

Points are awarded as follows four points for a first, three points for second and so on. Points are added onto a members totals for club table shows, and Inter-club table shows but not, repeat not for Open Shows or invitation Shows.



## COMMITTEE MEETING REPORTS

Meeting Tuesday February 23 at 49, MacDonald Avenue Westcliff. Present were:- President Secretary Treasurer, Mrs Clark., Ted Joyce, Ken Adams, Rodger Carrier, Bob Orford , Peter Capon, T. Clark, Dave Edwards, and Terry Russel; apologies from Lawrence Mitchell.

It was decided that the proceeds from the raffle of March 2 should be our donation towards the cost of redecorating the hall. With the decimal conversion it was decided that the subscription rates should be rounded to 38p single, 53p joint, and 19p junior, per annum. The price of the tea and coffee was rounded down to 2p. Entry fees for table shows were fixed at 2½p , with 1p for juniors.

A reconditioned type-writer was purchased for the secretary's use at £10. Ted Joyce enquired whether the trainee judges scheme was still in operation, it was agreed that the show secretary should organise the rota of trainees. Secretary confirmed the date for the Inter-club at East London as September the 10<sup>th</sup> , and reminded the F.B.A.S, delegate of the meeting in Holborn on March the 6th, Mr Russel said that a professional photographer had offered to take slides of fishes for £6-50 per dozen it was agreed that this was expensive; Dave Edwards mentioned that perhaps Mr Curtis who was interested in photography might take some slides for the club. Mr Russel went on to state that he had been approached by a gent to put on an exhibit in a garden fete in aid of the Southend Old Age Pensioners club and also who enquired whether the club would supply and maintain a tank in the Priory Museum, both requests were regarded as impracticable. Mr Capon suggested that a register be started to record the birth of fishes for the breeders table shows. The Open Show secretary gave a lengthy report on progress, Rodger Carrier suggested a swap page in the Journal and volunteered to take particulars of the same and pass them onto the editor. The editor stated that there had always been provision for such a page but members had not used this facility for at least two years. The secretary enquired whether any progress had been made in reprinting the club rules in booklet form.

-----

Meeting at 49, ST Agnes Drive, Canvey Island, on March 23<sup>rd</sup>. Present were:- President, Secretary, Treasurer, Mrs Clark, Ken Adams, Ted Joyce, Terry Russel, Dave Edwards , Lawrence Mitchell, Peter Capon, and Nobby Clark, apologies from Bob Orford, and Rodger Carrier.

with regard to the spanning register proposed by Peter Capon, by general consensus the idea was scratched. It was agreed that £5 be donated towards the St Andrews Hall redecoration. The Treasurer repeated Mr Catley's request that the library and tea boxes be painted. Terry Russel suggested a coach outing to the Aquarist Exhibition at Alexandra Palace, Peter Capon enquired whether the club were contemplating entering a tableau. in the PetFish show this year. , it was hoped that volunteers could be found from the floor as in past years. Ken Adams reported that Thurrock were borrowing some of our tanks for their Open Show, Mr Dave Edwards in his capacity of F.B.A.S, delegate gave a report on the last general assembly. , including a request that the club should donate trophy to be awarded by the F.B.A.S. in any open show. The secretary was requested to write for further details. Other points raised at the assembly were that a dinner/ dance would be held if enough clubs would support the function . It was agreed that the new F.B.A.S. Bulletin was quite free to reprint material appearing in our JOURNAL that originated from our members (reprinted material in the Journal might be the copyright of another club and as such S.L.A.D.A.S. would have no right to waive those clubs copyright) provided full credit was given to the author and S.L.A.D.S. JOURNAL. Dave produced a selection of place labels which are supplied free on production of an Open Show schedule. There was talk of reconstituting the rules of the F.N.A.S., M.A.S., and F.B.A.S. thus standardizing the rules throughout the country. Lawrence Mitchell mentioned that the prize cards for the 1970 Home Furnished aquarium competition had not yet been presented, and also that an error had been overlooked on the program card, reading "swordfish" instead of "swordtail". This caused amusement and it was even suggested that should a member bench a "swordfish" he deserved a prize card. Lawrence Mitchell complained of his club tie falling apart and the treasurer was empowered to replace one from stock, and also to contact the suppliers. A report on the condition of the Nayland House tank was favourable although there appeared to be too many fish.

The meeting was adjourned at 10 42 pm

### **FUTURE ISSUES**

We have had to hold over Norman Sellers article on Marine Aquaria for this issue, we will continue this serial in our next issue. We will also be continuing the series of fishy cartoons by Bob Clark, Bob although not a member has been kind enough to draw these cartoons for S.L.A.D.A.S.

Bob got married at the beginning of the month, I am sure members will join us in wishing Bob and Pat all the best.

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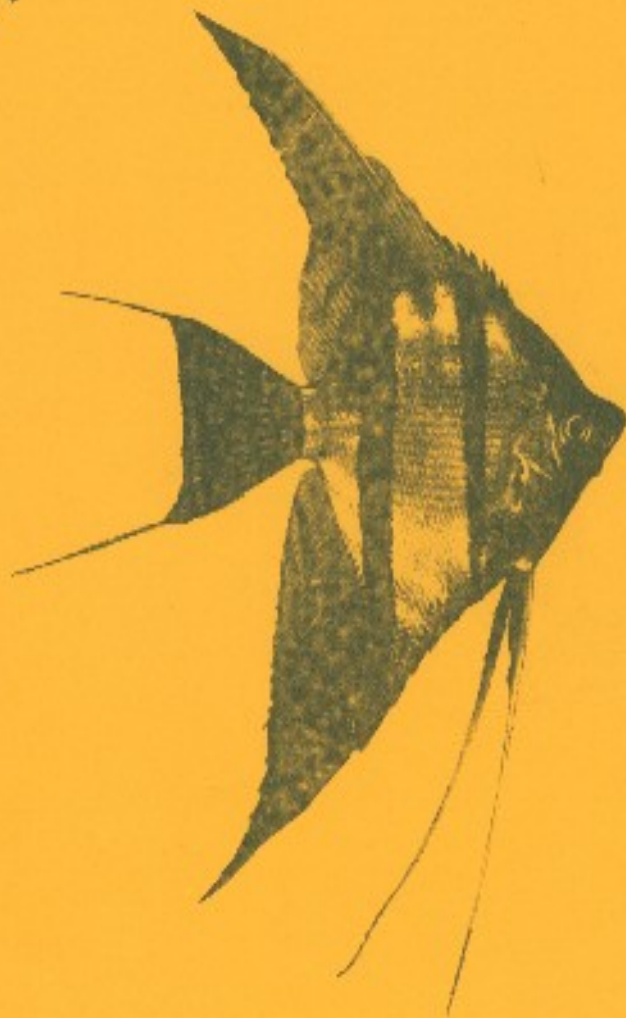
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**AQUARIST SOCIETY.**

*founded 1938*

**THE SOUTHEND, LEIGH AND DISTRICT AQUARIST SOCIETY**

(founded 1938 or before)

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**ESSEX**

**BI-MONTHLY JOURNAL Numbor39**

**JULY - AUGUST 1971**

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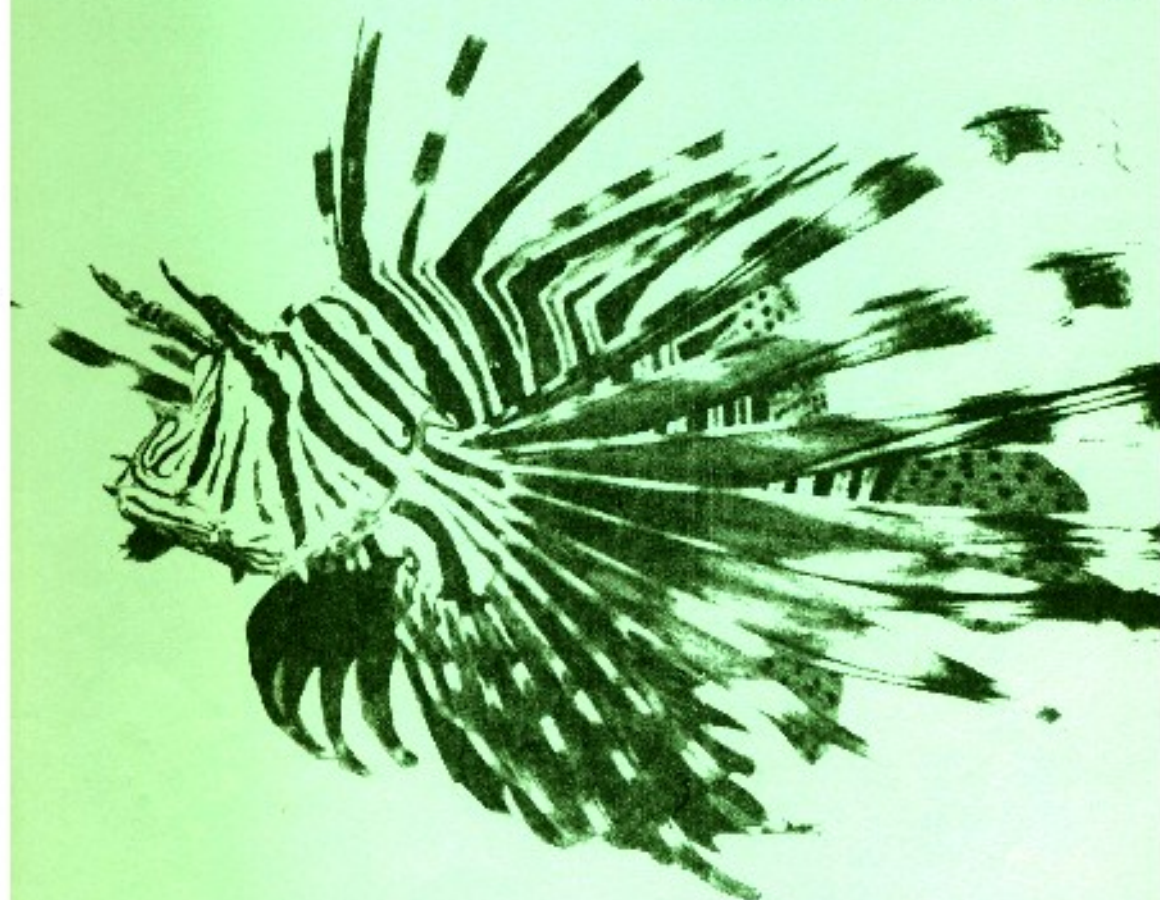
**S.L.A.D.A.S. OPEN SHOW 1972** venue to be announced May 21 1972 :-

contact R.D.Orford, Open Show Secretary, 83 Blenheim Chase, Leigh-On-Sea, Essex.



# STAN'S AQUARIUM

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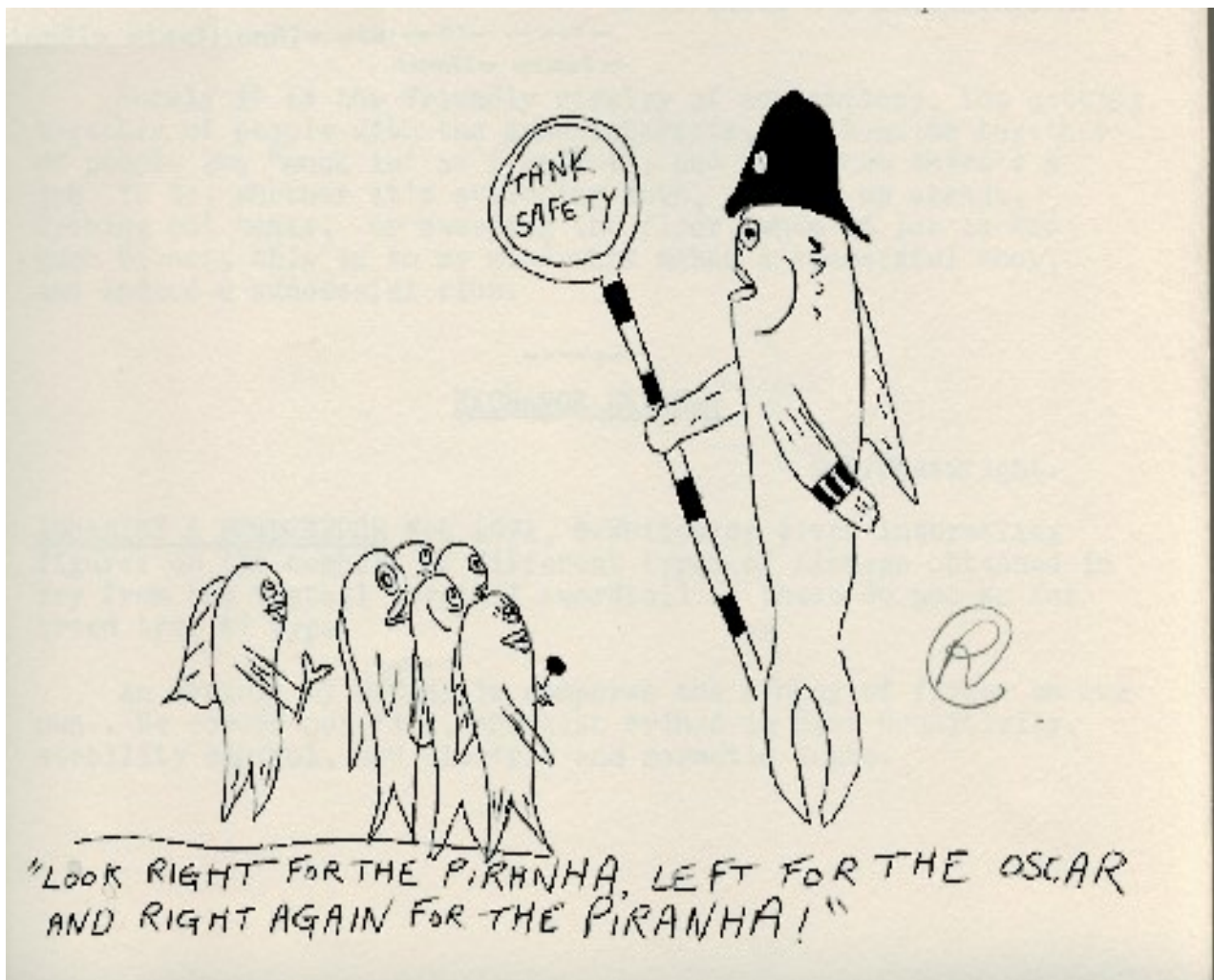
## EDITORIAL

The SHOW is over now and probably just a memory to some of our readers now that the summer holidays are with us. To the retiring Open Show committee it may be still a nightmare - does Bob wake Up in the middle of the night screaming about tank shortages? All in all it was a successful show, even financially it didn't do too bad all the accounts haven't been sorted out at the time of going to print but it looks like we've either made about £3 or only lost £3 according to Dave Cheswright's estimates.

Even the exhibitors appeared to be happy except for the gent whose plants were unfortunately left under the bench, and the fellow who complained loud and long about his fish not coming first. He also claimed the judges didn't know a good fish when they saw one, you all know the type. There's one of these at every show, life would be dull without an occasional miserable type wouldn't it? He didn't belong to S.L.A.D.A.S., our members don't talk like that.

One exhibitor who was quite satisfied was your editor who got his by now traditional fourth card in class Z, he intends to go all out next year and maybe even get a fourth in another class !

Bob Orford and the Open Show committee have been re-elected to arrange the 1972 Open Show — how's that for a compliment on their running of the 1971 Show!



## PRESIDENT'S PAGE

by Don Finch

By now I think everyone knows that S.L.A.D.A.S. had a successful show. But how does each one of us judge how successful our Open Show

To many of us, the only method of judging success is how much money did it make? To make a profit is surely not a yardstick of how a fishkeeper should judge. To a tycoon, it would probably be the only thing that would matter, indeed, to a lot of treasurers also, but surely an Open Show cannot be called a business venture. To many, a successful show means how many prize cards did I walk off with. But the man with the deepest pocket, regardless of price could buy enough decent fish to get all the prize cards he wanted, hardly a judgement of a successful show.

A show secretary might judge a successful show by how many entries he had, or a catering officer by how many cups of tea, sandwiches, and cakes he sold. The raffle organisers by how many tickets they sold, or how many people paid at the doors, all of these things could add up to a successful show. And yet, if we judged our success along these lines we would all have missed the point of holding our Annual Show.

Surely it is the friendly rivalry of competitors, the getting together of people with the same interests, the banding together of people who "muck in" as I call it, and help when there's a job to do, whether it's stripping down, setting up stands, washing out tanks, or sweeping the floor, when no job is too much bother, this is to my mind what makes a successful show, and indeed a successful club.

## EXCHANGE REVIEWS

D.M. Cheswright.

AQUARIST & PONDKEEPER Feb 1971, B. Whiteside gives interesting figures on the numbers of different types of finnage obtained in fry from the wagtail lyretail swordtail — these do not so far breed true to type.

An article by R. C. Mills compares the senses of fishes to our own. He covers our five, and also brings in heat sensitivity, stability control, and electric and magnetic sense..



**AQUARIST & PONDKEEPER April 1971**

Guppy Genetics part 2 by F. L. Vanderplank BSc, PhD -a must for guppy enthusiasts.

In marine Queries by G. Cox, the treatment of coral, rocks, and shells with bleach before adding to the set-up is dealt with in detail.

**MODERN AQUARIUM May 1971.**

G. Padovani covers the sexing and breeding of the Convict Cichlid.

"Raise Discus" by Doris Vilely (reprint ex Buntbarsche Bulletin). The writer points out that she is not a discus breeder but she has compiled a step-by step article covering, set-ups, spawning, hatching, and raising of the fry away from the parent fish.

**ANCHOR April 1971.**

"Lilies of the Water" by C.L. Tricker is an 8 page article covering all aspects of Water Lilies, including the growing of Tropical varieties in heated greenhouses, and pond-building.

**AQUA-CHAT March 1971**

An anonymous article rprinted from **AQUATIC HOBBYIST July 1970**, gives a full explanation of the reproductive system of fishes. It also covers the different methods of spawning and fertilization used by different varieties.

**AQUA.-CHAT April 1971**

"Miniature Aquaria" by E.C. Mansfield, gives hints and tips on setting up a Mini-tank. The author suggests that much thought should be given before attempting to enter for shows; we should practice with 2 or 3 set-ups to avoid a "hotch-potch".

**JUNIOR TABLE SHOW POINTS (as of July 6)**

|                              |                              |
|------------------------------|------------------------------|
| I. Finlayson.....39 points   | A. .Relf.....27 points       |
| M. Thorley.....21 points     | P. Mephram.....20 points     |
| C. Cheswright..... 15 points | Michael Chapman.....6 points |
| S. James..... 3 points       | B. Keeham.....1 point        |

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## TROPICAL MARINE FISHKEEPING

(part two)

by N.H. Sellers

The territorial environment of our tropical marine fishes may be divided into:-

1. The coral reefs.
2. Coastal waters including mangrove swamps.
3. The open seas.

### THE CORAL REEFS

The coral reefs consist of the skeletons of countless millions of once living creatures, organisms so highly developed as to be found only in certain areas of the globe, notably in the equatorial regions north east of Australia forming coastal reefs and many islands, the fine coastal reefs of the Red Sea, the islands of Bermuda and the Bahamas and the coasts of Florida, West Africa, and Peru. They rarely descend below 180 feet, enjoy warm conditions between 70 and 80°F and crystal clear waters. The coral is often covered with a layer of algae which, in addition to the floating organisms nourishes the countless numbers of coral creatures which in turn provide nutriment for the fishes.

The growth of the coral reefs and hence the nutrition and multiplication of their living creatures which are divided into an extraordinary number of species, is dependant upon many factors, such as the afore mentioned algae and plankton which is filtered out of the moving waters by millions of minutes stinging tentacles and a continuous flow of clear warm and richly oxygenated water. Thus we see the coral tending to recede in regions of still water and extending where currents provide this basic essential, leading to the formation of coastal, barrier, and lagoon structures. Some idea of the considerable spread of coral in some areas can be gauged from the fact that the Great Barrier Reef of North West Australia is 90 miles wide and 1500 miles long, extending from New Guinea to the Tropic of Capricorn, a huge island composed entirely of living creatures and the skeletons of their ancestors. Individual formations of coral can reach 25 foot in diameter and are varied in colour and pattern depending on the species of coral animal and environmental influences.

For example, we have the furrowed coral of *Dichocaenia petrosa* simulating a pattern of closely packed sea anemones, and the Brain Coral, *Diploria cerebriformis*, both of which are found in the Bahamas. *Nadrapora gonagra* from the Indian Ocean simulating closely knitted frosted twigs, the cushion shaped coral *Hydnophora microcora* from the Fiji islands, the fungus-like coral

*Euphy]nia fimbriata*, and the leaf-coral *Hymengorgia quercifolia* of the West Indies.

The living coral are creatures (anthozoa - flower animals) arc related to the sea anemones and have a history going back in time some 50 million years. They are Coelenterates (tube like forms) consisting of an inner liner of cells serving as a digestion tract and an outer layer of cells acting as a protective coat. Only the mouth and tentacles are exposed.

Corals reproduce asexually by means of budding, new individuals arising from the bodies of their parents. They have hair-like processes attached to their bodies which enable them to swim to a suitable spot to grow and reproduce in turn. Once settled they begin to surround themselves with a protective layer of calcium carbonate which they extract from the surrounding sea water, it is this material and the manner in which it is produced which ultimately determines the colour and shape of the coral colonies of the reefs. There are many interconnecting tunnels within a colony enabling food to pass from the more fortunately placed members to those less well endowed.

In association with the corals are the calcareous algae which are also able to extract lime from the sea water adding red or pink. areas to the reef and strengthening it against the erosive action of strong currents.

The Pacific .atolls are rings of coral enclosing a lagoon and are derived from extinct volcanoes , taking the shape of the summits.

Coral may be yellow, brown , purple, or black in colour,

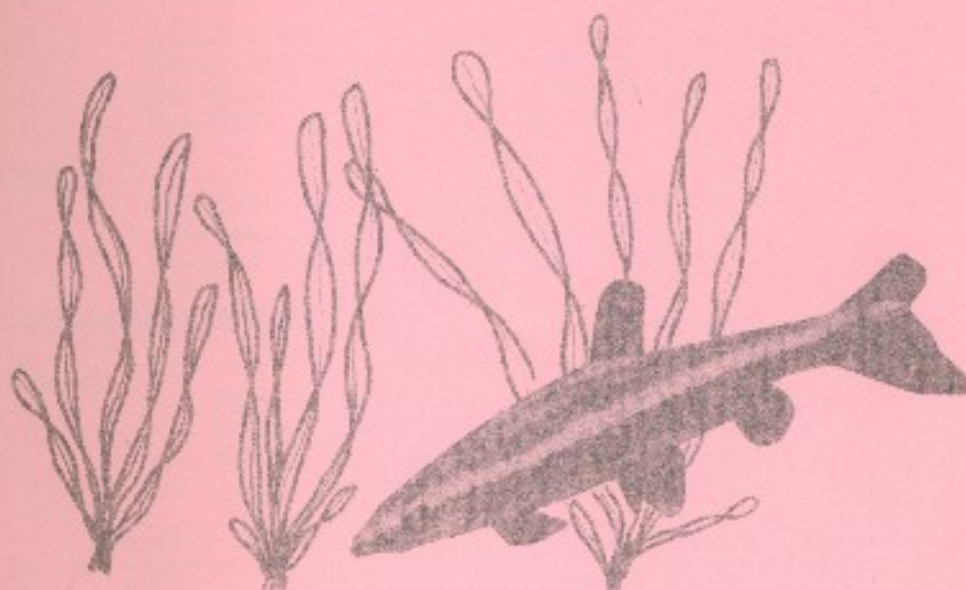
In addition to the numerous families and species of coral creatures , algae, and plankton which inhabit the chalk formations must be added the colourful starfish, sea-urchins, snail shells, worms, mussels, crabs and shrimps, and above all these creatures must rank what must certainly be the most beautiful creatures in the Universe —the cornl fishes.

#### TABLE SHOW POSITONS AND POINTS (at July 6)

|                              |                            |
|------------------------------|----------------------------|
| G. Coe.....33 points         | A. Russel..... 5 points    |
| T. Clark.....21 points       | O. Pack. .... 5 points     |
| T. Russel.....21 points      | B. Dunn. ....4 points      |
| D .Little.....15 points      | N. Brown..... 3 points     |
| L. Adams.....10 points       | A. Chapman.....3 points    |
| Mrs V. Burlton.....10 points | K. Terry .....2 points     |
| B. Burlton..... 9 points     | J. Norris.....3 points     |
| P.F. Capon., ..... 8 points  | D. Cheswright.....2 points |
| H .Dunmow..... 6 points      | J. Robson.....1 point      |
| S. Norris..... 6 points      |                            |

(Juniors turn to page 7)

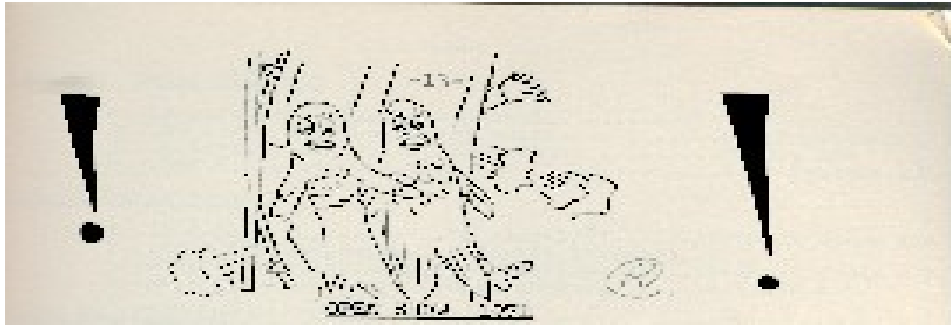
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- 2.. .Mr & Mrs Baulsom .....Wathamstow A/3
- 3...J.E.Connoly.....Bcthnal Green A/S
- 4.. .D.E.Goodbody.....

**B. BARBS**

- 1...Mrs Cowell.. ..... tiger .....Bethnal Green A/S
2. .G.S.Coe. ....half-banded.....S.L.A.D.A.S.
- 3.. .S.Mason..... ..rosy.....
- 4.. .R. Leslie., .....checker.....High Wycombe A/S

**CLASS C. CKARACINS**

- 1...Mr & Mrs Lambourne..Dis' lussosso....
- 2...G. Greenhalf .....congo tet.....
- 3.. .S.G. Cowell.....abrimates.....Bethnal Green A/S
- 4.. .Mrs B.Cowell.....hatchet..... Bethnal Green A/S

**CLASS D. CICHLIDS**

- 1... K .Adams .....Oscar. ....S.L.A.D.A.S.
- 2.. .D.Adams.....Labeo1 fuellborni.. Bethnal Green A/S
3. .M.Jones .....H.burtoni.....Witham A/S
- 4- . ,B .Edwards.....texas.....S.L.A.D.A.S.

**CLASS Da ANGELS**

1. . .D.M. Dare.....marble..... Witham A/S
- 2...D.M. Dare.....marble..... Witham A/S
- 3...R.S .Alborough....silver....0.....Thurrock A/S
- 4-.. .P. O'bryan.....marble..... Thurrock A/S

**CLASS Dd CICHLIDS**

- 1 . . . P . G . Newman . . . . . N . anomala . . . . .
- 2 . . Mr & Mrs Baulson. . . . kribensis . . . . . Walthamstow A/S
- 3 . . R.Kerridgo . . . . . ramirczi . . . . . Harlow A/S
- 4 . Mrs O. Leslie . . . . . High Wycombe A/S

**Class E LABYRINTHS**

**CLASS Ea. FIGHTERS**

- |                                                        |                                     |
|--------------------------------------------------------|-------------------------------------|
| 1.. S.G.Cowell.....Ct kingsleyi.. ..Bethnal Green A/S  | 1.. D.C.M.Durrant..... Thurrock A/S |
| 2...Mr & Mrs Lambourne...Belontia hassetti...          | 2. H. Kerridge.....Harlow A/S       |
| 3...Mrs B.Cowell.....Ct congicum.....Bethnal Green A/S | 3... J.E.Marshall.....Medway A/S    |
| 4... K. Adams .....Osphronemus.....S.L.A.D.A.S.        | 4. . E.Nicoll. ....Thurrock A/S     |

**CLASS F. EGGLAYING TOOTH CARPS**

- 1...Mr .& Mrs Lambourne...R.holmiac.....
- 2.. R.Kane.. .....N. guntheri.....
3. .K.,Appleyard.....Cy nigripinnis... Thurrock A/S
- 4.. R.Aane... .....A. bivittatum.....•

**G. CLASS TROPICAL CATFISH**

- 1...G Greenhalf.....Pimelodus.....
- 2...G.Greenhalf,,.....P. rachowi.....
- 3..Mr & Mrs Lambourne.....callichthys.....
- 4..G. Greenhalf.....Pimelodus clarius .

**CLASS H. CORYDORAS AND BROCHIS**

**CLASS J. RASBORAS**

- |                                                   |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| 1.. G. Greenhalf.....C. Schwartzi.....            | 1.. M.Carter... ..borapetensis .....Bracknell A/S |
| 2...Mr & Mrs Fagan.....C.paleatus.....            | 2...D.Bundy.....einseini.....Bethnal Green A/S    |
| 3.. D. little. ....C. schwartzi.....S .L.A.D.A.S. | 3.. G.S.Cowell.... hcngreli.....Bethnal Green A/S |
| 4...Mrs S.Hedges.....C. Reticulatus .             | 4...D.Bundy.....einseini.....Bethnal Green A/S    |



**CLASS S. MOLLY**

- 1.. R.Kerridge..... Albino. ....Harlow A/S
- 2.. W.Mason..... latipinna.....
- 3.. G.Coe..... sphenops.....S.L.A.D.A.S.
- 4.. E.Nicoll.....black.....Thurrock A/S

**CLASS V. GOLDWATER FANCY.**

- 1.. K. Adams.....calico fantail. ....S.L.A.D.A.S.
- 2.. K. Adams..... calico fantail....S. L.A.D.A.S.
- 3....K. Adams .....red fantail.....S.L.A.D.A.S.
- 4.. K. Adams.....red fantail.....S.L.A.D.A.S.

**CLASS W. COLDWATER A.O.S.**

- 1..G.E.Goodbody..... goldfish.....
- 2...Mrs S.Hedges.....green tench.....
- 3.. Mrs S.Hedges.....goldfish.....
- 4-.. T.Clark.....goldfish.....S. L.A.D.A.S .

**..CLASS Xb-m, u-v. BREEDERS EGGLAYERS**

- 1..Mr c- Mrs Fagan.... green kissing gourami 21/11/70 ..
- 2..G.J. Coe.....Thicklips.. .....28/6/70.....S.L.A.D.A.S.
- 3 ..Mrs J.J.Arrow ..aneus cats,.....9/1/71.....East London
- 4....R.Leslie.....-.. Thicklip..11/2/71.....High Wycombe A/S

**CLASS Xo-t. BREEDERS LIVEBEABERS**

- 1.. S.Mason.....red wags . ....2V11/70...
- 2.. D.Cheswright. mosquitos .. .....20/11/70.....S.L.A.D.A.S.
- 3...J.E.Marshall.....sunset variatus.....12/10/70.. Medway A/S
- \*4 ..Mrs. O. Leslie. Limia vittata. ....24/11/70. High Wycombe A/S

**Y. MARINE TROPICAL**

- 1.. K.Adams.....Sergant Major.....S.L.A.D.A.S.
- 2...D.Cheswright.....Chaetodon kleini...S.L.A.D.A.S.
- 3.. D.Cheswright.....wrasse.....S. L.A.D.A.S .

**CLASS Z. PLANTS.**

- 1.. P.E. O'Bryan.....dwarf crypto` .....Thurrock A/S
- 2.. G.J. Coe.....Amazon Sword..... S.L.A.D.A.S .
- 3...C.A.Elliot.....aponogetifolLa.....
- 4...P.F.Capon.....ludwigia.....S.L.A.D.A.S.

**THE JUDGES were:-** C.A.T.Brown, F.Tomkins, B.Baker K.towell

and R. Esson. for which many thanks gentlemen; needless to say they were all of the F.B.A.S. (the F.B.A.S. newsletter says to plug the Federation !)

**THE CUPS AWARDED WERE:-**

|                      |                          |
|----------------------|--------------------------|
| AQUARIST GOLD PIN.   | Best fish in Show        |
| WINDERMERE TROPHY    | Best Tropical Mariner    |
| CHES CUP             | Best breeders Egglayer   |
| CHES CUP             | Best breeders Livebearer |
| EDWARDS CUP          | Best Barb                |
| BURLTON TROPHY       | Best Angel               |
| T.King Cup           | Best Swordtail           |
| CAPON TROPHY         | Best Platy               |
| ADAMS TROPHY         | Best Cichlid Class D     |
| RUSSEL TROPHY        | Best Tropical Catfish    |
| JOYCE TROPHY         | Best Characin            |
| FISHY BUSINESS       | Best Furnished aquarium  |
| S.L.A.D.A.S. PLAQUES | to classes not mentioned |

Thanks are due to Messrs Inter-Pet, Herb Royal (Tetramin) Montrose, Mclynns, and Philips Yeast Products for prizes donated.

The editor has no record of a F.B.A.S. Trophy so we assume one was not forthcoming.

Other than the SHOW COMMITTEE, and many members of the general committee, the following members came to the editors notice as being worthy of special mention for services rendered without grudge to the OPEN SHOW 1971 BILL DOULTON, ALBERT NYE, FRED GARDNER, MR & MRS BUTLER, MR & MRS HYMAN AND STEVE NORRIS.

**CLUB NEWS**

Meeting May 4<sup>th</sup>

The talk tonight was on pond building — Dave Edwards spoke of brick and concrete constructions whilst Don Finch talked about Butyl rubber sheet ponds.

The raffle winners were:-

- L. Romanovsky.....two Bristol Shubunkins
- O. Pack.....white worm culture
- M.Thorley.....W.C.M.M.s

## TABLE SHOWS

### A.S. CQLDWATER

1. T. Clark -.....goldfish,.....87 points
2. G. Coe..... Cambridge blue..... 85 points
3. B. Burlton.....goldfish.....74 points
4. K. Adams.....golden orf e.....73 points

### A. S. COLDWATER JUNIOR

1. A. Relf..... stickle-back.....78 points
2. I. Finlayson..... shubunkin.....77 points
3. P. Mephram..... bitterling.....72 points
4. A. Relf..... stickleback.....71 points

### DWARF CICHLIDS

1. D. Little..... P. thomasi.....65 points
2. T. Clark..... P. Kribensis.....64 points
3. A. Chapamn..... A. ramirczi.....62 points
4. E. Joyce..... P. kribensis.....60 points

### DWARF CICHLICS JUNIOR

1. C. Cheswright..... P. Thomasi.....62 points
2. M. Chapman..... A. Ramirczi.....54 points
3. M. Thorley..... P. kribensis.....51 points
4. M. Thorley..... P. kribensis.....50 points

### MALE GUPPY

1. H. Dunmow.....leopard.....80 points
2. Mrs V. Burlton.....  $\frac{3}{4}$  Black.....78½ points
2. C. Pack..... leopard.....78½ points
3. N. Terry.....  $\frac{3}{4}$  black.....77 point
4. J. Robson.....  $\frac{3}{4}$  black.....76 points

### MALE GUPPY JUNIOR

1. P. Mephram.....veil.....77 points
2. S. James.....red.....75 points
3. A. Relf.....veil.....71 points
4. I. Finlayson.....veil  $\frac{3}{4}$  black.....69 points

**OPEN SHOW 1972 MAY 21 see Bob Orford for details**

## Meeting MAY 18<sup>th</sup>

George Yallop came down from Maldon this evening to give a talk on transporting fish, of particular interest this evening the last meeting before our OPEN SHOW 1971. In addition we learned that most of our imported aquarium fishes do not come from Holland and Germany as many would have us believe but from farms in Singapore and Malaya, and Kong Kong.

The raffle winners were a tank to Bob Orford but Bob having already charge of a large number of tank on the 22nd put the prize in again and this time Martin Chapman's ticket was drawn.

Steven James won a £1 voucher to spend at his favourite aquarist shop

## TABLE SHOWS SWORDTAILS

- 1... A. Russell. ....red.....64 points
- 2.. A. Chapman.....red.....61 points
3. .T. Russel.....red.....60 points
4. .G.Coe.,.....red.....59 points

## SWORDTAILS JUNIOR

- 1.. I. Finlayson.....red.....88 points
- 2.. I. Finlayson.....red.....86 points
3. .P. Mepham. ....red lyre.....83 points
- 4 . .B.Keeham.....albino.....82 points

## CATFISH TROPICAL

- 1.. D. Little.....C. Breviatus . ....75 points
- 2...T. Russel.....Corydoras ?.....72 points
- 3.. T. Russel.....P. clarias.....68 points
- 4... T Russel.....C. agassizi.....66 points

## CATFISH TROPICAL JUNIOR

- 1.. P. Mepham.....C.juli.i.....86 points
- 2.. M. Thorley.....C . ancus.....85 points
- 3... I. Finlayson.....C. Julii.....84 points
- 4...C.Cheswright.....C.julii.....82 points

## MEETING\_JUNE 1<sup>st</sup>

This evening we were entertained by John Mason a past President with a talk on coldwater fishes and maintenance of ponds and coldwater aquaria. John stressed that coldwater fishes are harder to keep in good health in the home aquarium than tropicals.

The winners of the raffle were:-

Chris Finch.....pair of goldfish Alan Chapamn.....bag of plant

Terry Hassel..... pH tester Albert Nye.....hardness tester.

The President thanked the outgoing **1971 OPEN SHOW** committee, for their efforts, then set about arranging the election of a committee to run our **1972 OPEN SHOW**. By popular acclaim the whole of the outgoing team were re-elected, namely:-

Bob Orford (Secretary), Barry Burlton, Val Burlton, i^cn Adams, Alan Staples, Terry Russel, Ted Joyce, and Nobby Clark.

## TABLE SHOWS

### PLANTS

|                      |                    |            |
|----------------------|--------------------|------------|
| 1.. B .Dunn.....     | Water Lettuce..... | 76 points  |
| 2.. ,T. Russel. .... | .cabomba.....      | .74 points |
| 3,..G. Coe.....      | .amazon sword..... | .70 points |
| t. ..G. Goe.....     | .Indian fern.....  | 69 points  |

### PLANTS JUNIOR

|                         |                     |           |
|-------------------------|---------------------|-----------|
| 1... I. F inlayson..... | .vallis.....        | 62 points |
| 2. ..A. Re If.....      | .crypto' .....      | 58 points |
| 3. ..A. Re If.....      | Vallis..... ,       | 57 points |
| 4-. . .P.Mephram.....   | vallis twisted..... | 57 points |

### COLDWATER TWINTAILS

|                    |                       |           |
|--------------------|-----------------------|-----------|
| 1.. .G.6oe. . .... | .calico veil...,..... | 49 points |
|--------------------|-----------------------|-----------|

### COLDWATER TWINTAILS JUNIOR

|                       |               |
|-----------------------|---------------|
| 1,. .I.Finlayson..... | .calico veil. |
| 2..I.Finlayson.....   | red veil      |

## MEETING- JUNE 15

This evening was billed as a Marine talk, but the speaker that we had booked had a rather nasty accident at work and was unable to attend. Dave Chcswright stepped into the breach and told of his experiences with marines. The hand=out of the fry took place, don't forget these are to be brought back on October 5 for judging.

The raffle winners were:-

Albert Nye.... Scaquarium hydrometer , Barry Burlton....tube Dow Corning..N.Terry.....Aquarium cleaner.

## TABLE SHOWS

### PAIRS

|                   |                    |            |
|-------------------|--------------------|------------|
| 1...D.Little..... | black molly.....   | 75 points  |
| 2.. .G.Coe. ....  | thick lips.....    | .71 points |
| 3...G. Coe.....   | gupoies.....       | 69 points  |
| 4.. .G.Coe.....   | Ras ' clegans..... | 68 points  |

### PAIRS JUNIOR

|                        |                              |            |
|------------------------|------------------------------|------------|
| 4... I.Finlayson.....  | W.C.M.M.....                 | .65 points |
| 3 I.Finlayson.....     | Red sword.....               | 66 points  |
| 2... .M.Thorley....    | Melanichromis versivosus.... | 69 points  |
| 1.... 1....A.Relf..... | merry -widow. ....           | 75 points  |

### MARINES

|                    |                  |            |
|--------------------|------------------|------------|
| 1.. K .Adams.....  | Sgt Major.....   | 70 points  |
| 2... K. Adams..... | Sgt.. Major..... | .68 points |

### MARINES JUNIOR

|                    |                          |         |
|--------------------|--------------------------|---------|
| 1...M.Thorley..... | yellow tail blue damsel. | .54 pts |
| 2. .M.Thorley..... | .sebae clown.....        | .52 pts |

In addition to the cards donated prizes left over from the OPEN SHOW were awarded Tetra-Care and Phillips food to the first in the juniors and McLynns food to the firsts in the adult classes

## MEETING JULY 6 INTER-CLUE QUIZ AND TABLE SHOW COMPETITION

The raffle winners were all S.L.A.D.A.S. members, honest there wasn't any fiddle.

Don Finch.....rubber plant. Dave Cheswright.....bottle Eva Cream

Dorothy Hill .....glasses set. Albert Nye .....set place mats.

D.Edwards.....box of chocs .

We know that Dave Edwards wasn't at the meeting since he was on holiday but a "well-wisher" bought tickets for him— S.L.A.D.A.S. spies know who it was but they ain't talking.

## TABLE SHOWS

### LABYRINTHS

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 1.. G. Coe.....    | ... .thicklip..... | ..... S.L.A.D.A.S. |
| 2.. G. Coe.....    | .thicklip.....     | S.L.A.D.A.S.       |
| 3.. B. Wright..... | moonlight.....     | Thurrock           |
| 4-...T.Clark. .... | dwarf.....         | S.L.A.D.A.S.       |

### WORDTAILS

|                      |                        |               |
|----------------------|------------------------|---------------|
| 1. .M. Thorby.....   | red.....               | S.L.A.D.A.S.  |
| 2.. R.D.O`Bryan..... | .black.....            | Thurrock      |
| 3 ..G. Coe.....      | female .....           | S.L.A.D.A.S.. |
| 4-.. W. Corby.       | .....red eyed red..... | East London.  |

### CATFISH

|                       |                       |               |
|-----------------------|-----------------------|---------------|
| 1. . T. Clark.....    | C. arcuatus.....      | S.L.A..D.A.S. |
| 2.. D.Little, e....., | C. schwartzi.....     | S.L.A.D.A.S.  |
| 3« .W. Roberts ....   | .....synodontis ..... | East London   |
| 4. E. Nicoll.....     | .C .julii.....        | Thurrock.     |

Best Fish in the Show T. Clark.. C .arcuatus.

The points gained in this round were;-East London 3, Thurrock 6. S.L.A.D.A.S, 21.

Giving a total to date with one round still to be played:-East London 40, S.L.A.D.A.S. 35. Thurrock 27.  
Billericay 8

The judge was Frank Tomkins F.B.A.S.

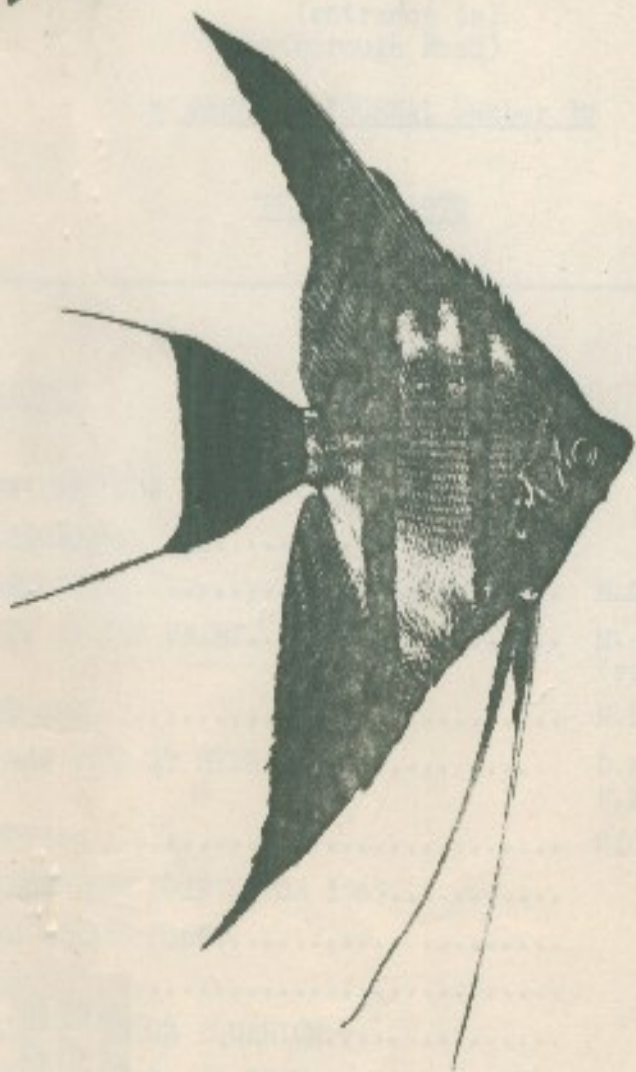
As for the entertainment Bob Orford was quiz master for a light-hearted quiz that he had compiled.

**Committee meeting reports** have been held over for lack of space in this issue of the **JOURNAL**

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**AQUARIST SOCIETY.**

*founded 1938*

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WESTCLIFF -ON-SEA  
ESSEX.**

**BI-MONTHLY JOURNAL Number M3**  
September- October 1971

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=====

**ONLY SIX MONTHS TO S.L.A.D.A.S. OPEN SHOW 1972**  
see page 5.

S.L.A.D.A.S. IS THIRTY-THREE , THE JOURNAL IS TWENTY-THREE WILL THEY STILL BE  
AROUND NEXT YEAR ? MAKE SURE THEY ARE -ATTEND THE A.G.M. .!!

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A. CHAPMAN (CO-OPTED)

**EXCIHANGE MAGAINES** welcomed please send your magazines to the editor.

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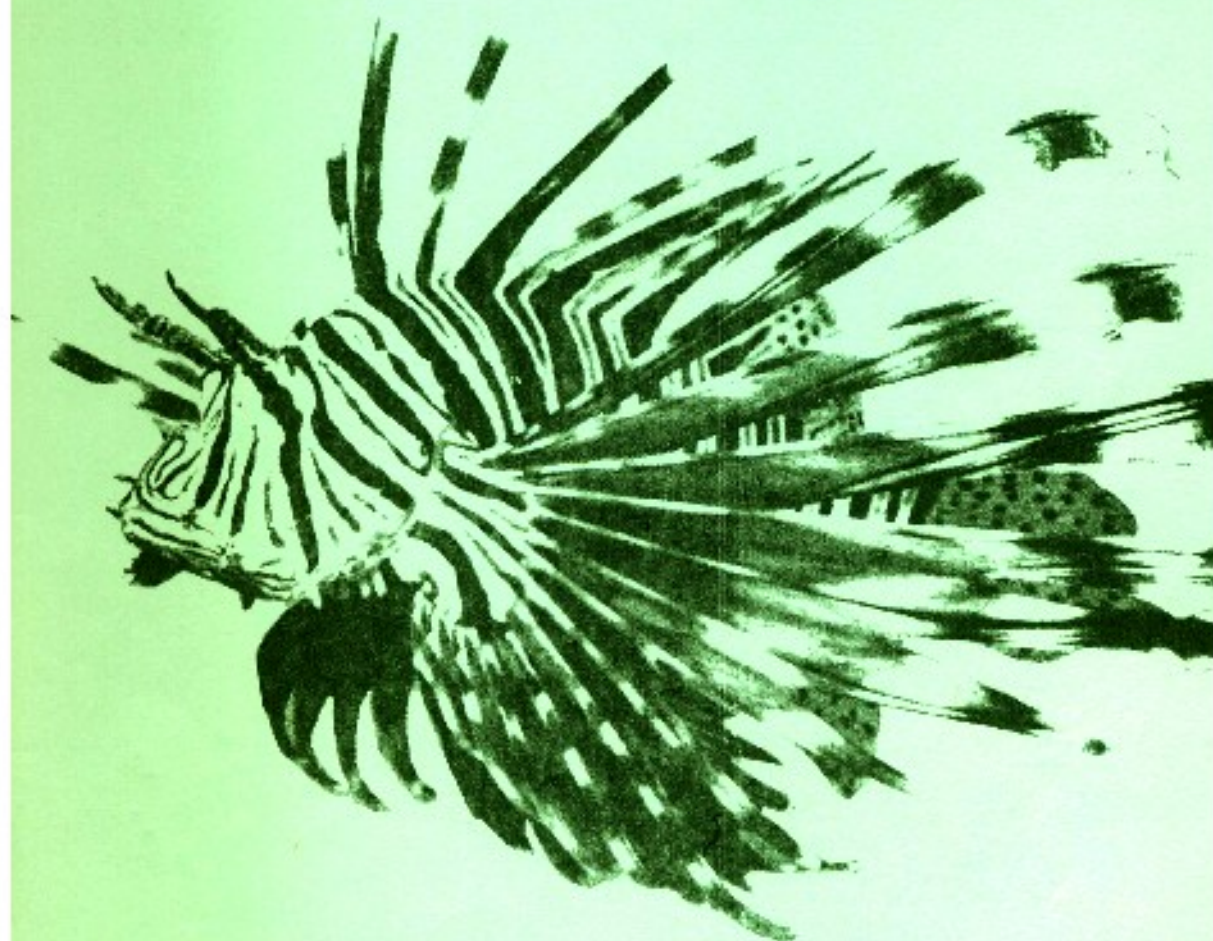
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**EDITORIAL**

As you will have possibly noticed from page 3 - Bob Orford has resigned from the committee and is no longer Assistant Editor of this **JOURNAL**. Bob has resigned over the proposed ruling that committee members must attend 75% of committee meetings or be booted out ! This ruling must by it's proposed wording be directed at shift workers---how many shift workers have we on the committee----one - Bob Orford ! In your editor's opinion it's no wonder Bob resigned - he had no choice !!  
Bob first became associated with the JOURNAL with the May 1968 issue and has served the Society as Assistant Editor ever since.

Who searched out and found a brand new second-hand duplicator for only £17

Who designed the present cover, and arranged the execution of the advertisements?

Who wrote regular column in the JOURNAL ?

Who printed and assembled the JOURNAL ?

Who was Open Show Secretary for 1971 ?

Who is Open Show Secretary for 1972 ?

Who stayed up all night worrying about the Open Show ?

YES ! YOU'VE, guessed right Bob Orford, with much assistance from Maureen !

Who is expecting to be slung off the committee for being too outspoken in the JOURNAL - YOUR EDITOR!

=====

**SOUTHEND, LEIGH AND DISTRICT AQUARIST SOCIETY OPEN SHOW 1972 ST CLEMENTS HALL,  
LEIGH-ON-SEA ON 20th May 1972**

details from:-

R.D.Orford, 8 Blenheim Chr.se, Leigh-On-Sea. (even more trophies this time we are told)

**PRESIDENT'S PAGE.**

At our last committee meeting there was a suggestion made that S.L.A.D.A.S. gave more support to various Open Shows, and to me it sounded such a good idea that I thought I would bring it to the notice of the club through this page. Apart from one or two of our staunch club members, I had to agree, this is an aspect of our

club life that is sadly lacking. I for one don't get around the shows like I should; the local ones, yes, and the PetFish or Alexandra Palace ones yes, but that's about all. And yet some of these aquarists are out and about week after week far afield.

Of course, I don't say we could or would do that, but I feel that all of us could attend a few more shows than we do.

It has been suggested that when there is an Open show that is being attended by various members of our club, that it is announced that a certain show will be visited on so and so date and that half a dozen or so of us enter and take ourselves and our fishes along on that date , after arranging our time of departure and transport etc. It would certainly help to put S.L. A.D.A.S, on the map and there's no doubt at all that other clubs turn round and say , "Well S.L.A.D.A.S. supported our Open Show we'll support theirs "

If any members would be interested, let's know, either see me, Bob Orford, Ken Adams , or indeed any Show or General committee member, and we will get something worked out.

For those members who would like to exhibit at other Open Shows and have no transport, this is your opportunity.

=====

#### **TURTLE ATTACKS QUEEN'S FISHES**

by P.F.Capon.

A report from Kings Lynn Aquarist Society tells of the escape of a Spanish turtle from the care of Mr Alec Ford. Ten members of the Kings Lynn Society tried unsuccessfully on Sunday the 3rd of October to net the turtle from one of Queen's lakes at Sandringham where it has been feasting well on the Queen's fishes !

=====

#### **APPOLOGIES TO :-**

Steve Norris for neglecting to mention his cup that he presented for the Open Show. Also to Maureen Orford who put in as many hours as Bob organising the Open Show missed out of the list of helpers

7

#### **EXCHANGE REVIEWS**

by D.M. Cheswright

**AQUARIST** , September 1971 , "Breeding Angel Fish" by Pamela M. Hansen

She describes failures and final success with hatching and rearing away from the parent fish. Two air pumps were used to provide aeration. In



your reviewers experience one pump would suffice the flow is positioned gently in front of the eggs in order to remove dirt from them "Boiled egg yolk infusoria" was fed on the first day after free swimming and then micro- worm, This seems to be a break from the usual first food of newly hatched brine shrimp — I would have thought that brine shrimp would be the safest first food from the point of view of possible pollution.

A further article by Jack Hems describes the keeping of white worm cultures \*

**PETFISH MONTHLY**, .August 1971 An item by F.T. Gray on "Experience in keeping and breeding Red Oscars" covers the writers success to date in raising some fry after much trouble.

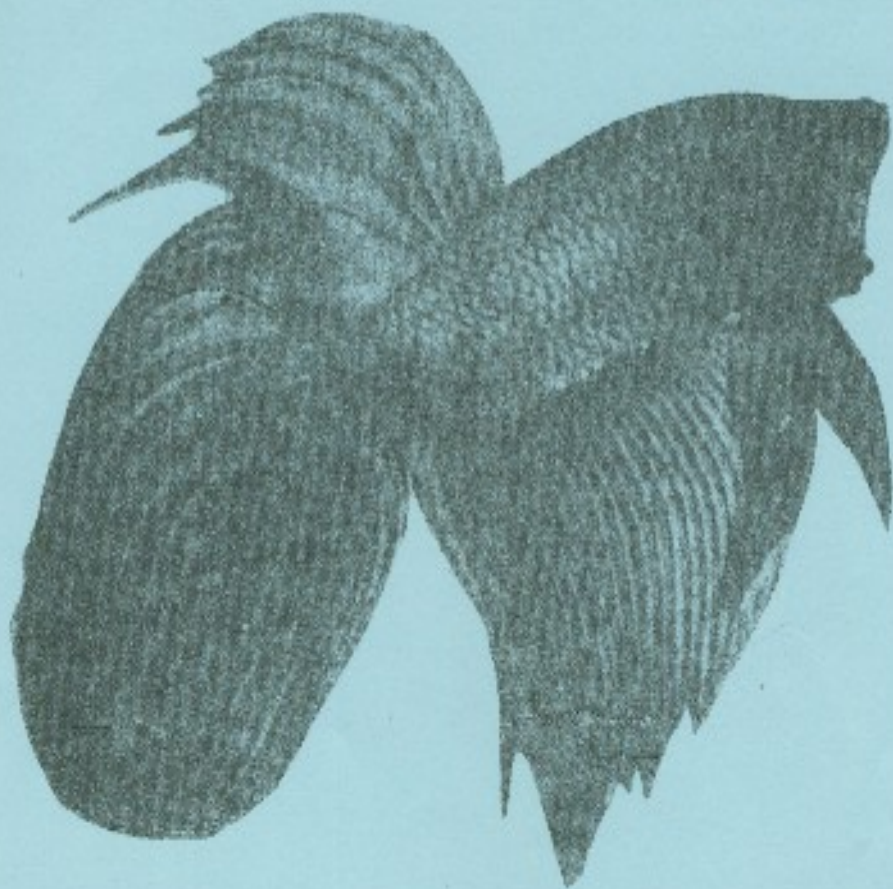
"Breeding the Dwarf Pencilfish" (*Nannostomus marginatum*) by RcZukal provides much useful information of a species not often breed in Southend.

**GUPPY ASSOCIATES OF TORONTO** , July 1971 A long and informative article by Jack Hale on "Activated Charcoal" tells the reader of the abilities of this substance to purify w a t e r and air and explains how and why\*

**TOMS TOPICS** July 1971 part three of "The Freshwater Plants of the Solomon isles" by Noel Gray is most interesting. Details are given of the natural habitats of various plants - - a useful guide on how to treat them under aquarium conditions. Many plants require semi-stagnant conditions and will not apparently thrive in moving water•

All the magazines reviewed are in our library together with many others from different parts of the world. Read the exchanges there is an incredible amount of information in them that never appears in the "slicks" The exchange magazines cover all phases of our hobby read them and become a better aquarist !

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## **PLAY SAFE TAKE ADVICE,**

by D.W. Roberts F.Z.S.

Like all living creatures , terrapins and tortoises are liable to various ailments. For no apparent reason-many have been found dead without previously having shown symptoms of disease. Even if you had been able to recognise a symptom it is extremely doubtful if the victim could have been cured, particularly as many supposed symptoms are merely indications of natural change in the creature.

One should face the fact that unless one has specialised veterinary knowledge, treatment of reptile disease is impossible. Internal parasites have always accounted for a large proportion of deaths amongst terrapins and tortoises. Where known, parasites infesting the bowels have often been destroyed by a drug known "Santonin" but then only under veterinary advice.

Over the years there has never been any reason to suspect that the internal diseases of these creatures could infect human beings or animals or be transferred to them More often than not these parasites have proved harmless to the terrapins and tortoises themselves and it has only been when starvation lowers the host's vitality that these have got the upper hand and killed the victim. Persistent refusal to feed has been the most common cause of terrapins and tortoises losing condition. This has happened most frequently with new purchases for in most cases the creatures haven't fed since they were captured in the first case.

Now, with the latest revelation that intestinal infection in humans has been traced directly to pet terrapins and tortoises, it is sad indeed. We all admire Dr Ian Keymer at the London Zoo, for he does an admirable and difficult job, and as he states , there should be some strict control over the importing of these creatures. He further states that it has been established that 88% of tortoises and terrapins coming into Britain are infected.

I should say that 100% carry parasites, but it wasn't generally considered or suspected that these animals might harbour germs which could result in abdominal pain, diarrhoea and vomiting in humans.

I myself have kept and admired terrapins in the past, and I find it a sad lament that such a revelation should unfolded.

**EDITOR'S NOTE** Mr Roberts had already sent us an article on these reptiles, but on learning of these new discoveries he asked that we did. not print the earlier article.

## CLUB NEWS

### Meeting July 20<sup>th</sup>

The programme card says an open discussion but my notes are sadly lacking on this subject and my memory is a blank - - so what was discussed and how openly I couldn't say !

The judging competition took place the winner being N. Terry.

The raffle winners were :~

T. Russel..... table lamp.

Mr Clifford ..... red swords.

Dot Chapman.....potted plant.

### TABLE SHOW A.O.S. LIVEBEARERS Adult.

1... D.Cheswright .....Blue limia.....78 points

2... T. Russel.....mosquito.....73 points

3... D. Cheswright .....Merry widow.....70 points

4... D. Cheswright.....mosquito.....68 points

### A.O.S. Livebearers juniors

1.....A. Relf.....Merry Widow.....75 points

2.....A. Relf.....Merry Widow.....74 points

3.I. Findlayson.....half beak.....

3.II.

### Meeting August 3<sup>rd</sup>

Auction night and a large number of fishes changed hands including a number of cichlids from Rodger Carrier's collection, Rodger a corresponding member of the American Cichlid Association is moving to Canada where no doubt he will build up his collection againo Rodger also donated a quantity of books to the library.

Whilst the general din of the auction was going on Eddie Nicoll was quietly working away at the judging of the Members Challenge competition.

The raffle winners were:-

Mr Robson..... Miracle twin pump

L.Orchard.....bag of plant.

Tom King ..... trio of black mollies.



## Meeting August 17<sup>th</sup>

Eddie Nicoll was our guest speaker this evening for a talk on diseases, cures and. aquarium hygiene. One thing that Eddie did mention was the fact that it is not a good idea to try several cures at the same time the fish would wonder what disease they had got white spot or velvet and die of worry. Eddie suggested that the only sure fire cure for dropsy was a sharp blow on the head.!



### MOLLIES Adult

1...T. Russel.....Black Sailfin  
Male.....

2...Little.....Velifera male

3...G. Coe.....Velifera male

4...G.Coe.....velifera male

4...G. Coe.....velifera male

### MOLLIES Junior

1...M..Thorley.....albino lyre.....82 points

2....M .Thorley. ....sphenops ....

3....P. Mepham.....sphenops.....78 points

bo.oS.Kearne.o.....albino lyre.....77 points

The judges were Don Finch for the adults and Ted Joyce for the juniors.

The raffle winners were : -

Mr Aldridge....pair of Sailfin Mollies.

Mr Faraway .....bag of plant.

Mr S.James .....bag of plant.

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## **INTER- CLUB MEETING AT EAST LONDON September 10<sup>th</sup>**

Your editor did not attend this meeting (yet another good reason for making sure he doesn't get the job next year!) thanks are due to Jackie Norris for the following information.

The entertainment for the evening consisted of a talk on coldwater fishes given by Joe Linale of the Goldfish Society of Great Britain- Mr Linale told of how used to being handled the goldfish is and. demonstrated hand spawning. For keeping goldfish he suggested clean tanks with no gravel or plants , for feeding grindal worms, small red worms , daphnia, mosquito larvae, chopped white worm, and occasionally flake foods, were suggested. With the flake foods it is suggested that the tropical types are sieved to get rid of the dust which can be saved for the babies.

Mr Linale also gave a plug for the G.S.G.B. Convention to be held at the Drill Hall Maldon Surrey on the 25th of September with an auction of surplus stock after the meeting.

### **TABLE SHOW RESULTS**

#### **COLDWATER**

1. .R. Dodkins ..... East London.
- 2.. .K. Appleyard. .... Thurrock
- 3 ...W.Corby..... East London
- 4 . . R.Dodkins..... East London.

Judge Bob Esson. F.B.A.S.

#### **A.V. MOLLIES**

- 1...Mr Deverall..... East London
- 2...Mr London..... Thurrock
- 3...Mr Early..... East London
- 4...Mr Early..... East London

Judge Frank Tomkins.

#### **A.O.S. TROPICAL**

- 1...Mr Deverall..... East London
- 2... D. Edwards..... Southend
- 3...F. Vicker..... East London
- 4... Miss Holmes..... Billericay



## A.V. CHARACIN

- 1.. Mr Argent ..... East London.
  - 2... Mr Harris ..... East London
  - 3... Mr Argent. .... East London.
  - 4... A. Chapman ..... Southend
- This gave a total for this round :-

■ East London 29, Thurrock 6, Southend b, Bili.ericay 1- f and a grand total for the four rounds :-

East London 69, Southend 39 , Thurrock 33, and Bili.ericay 9, the gavel and block were therefore won by East London Aquarists and Pondkeepers Association, it wasn't awarded mind you because Thurrock forgot to bring it along,!

## Meeting September 7<sup>th</sup>

A quiz *compiled* by Beryl Mitchell assisted by Lawrence much raucous laughter was heard indicative of the enjoyment that the members of the teams had that evening. Thanks Beryl , popular acclaim says it was a great effort.

The raffle was won by: -

D. Cheswright.....Book token.  
Beryl Mitchell.....Flying barbs.  
Mr Faraway.....weather loach

## **TABLE SHOW A.O.S. TROPICAL Adult.**

- 1.. T.Clark.....red finned shark.....89 point
- 2.. K. Adams .....Flying fox.....79 points
- 3.. F.Gardner.....khuli.7.....78 points
- 4... G. Coe.....redtailed black shark...76 points

## **A.O.S. Junior**

- 1.. P.Mephram.....Botia .....70 points
- 2.. M.Thorley.....redfinned shark ..... 69 points
- 3.. M.Thorley..... puffer. ....66 points
- 4... C.Cheswright ...khuli ..... 65 points

## **S.L.A.D.A.S. MART**

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## Meeting September 21<sup>st</sup>

Dave Cheswright told of his experiences in breeding and maintaining the Characins.

### TABLE SHOW CHARACINS

|                |                    |                        |           |
|----------------|--------------------|------------------------|-----------|
| 1...           | B. Burlton.....    | Nan` unifasciatus..... | 84 points |
| 2....          | Mrs J. Norris..... | H.                     |           |
| Pulcher.....   |                    |                        | 79 points |
| 3....          | K. Adams.....      | Nan`                   |           |
| harrisoni..... |                    |                        | 75 points |
| 4....          | G. Coe.....        | red eyed               |           |
| tetra.....     |                    |                        | 69 points |

erratum in the above *Nannostomus harrisoni* and *Mettynnis schreitmulleri* have become transposed.

### CHARACINS Junior

|              |                   |        |           |
|--------------|-------------------|--------|-----------|
| 1...         | B. Keehan.....    | H.     |           |
| Pulcher..... |                   |        | 74 points |
| 2...         | P. Mephram.....   | Silver |           |
| Hatchet..... |                   |        | 73 points |
| 3...         | P. Mephram.....   | silver |           |
| Hatchet..... |                   |        | 71 points |
| 4...         | I. Finlayson..... | Silver |           |
| Hatchet..... |                   |        | 69 points |

The raffle-was won by: -

|                   |                              |
|-------------------|------------------------------|
| Terry Russel..... | Prayer plant                 |
| M. Thorley.....   | aquarium cleaner             |
| K. Adams .....    | hardness tester              |
| F.Gardner.....    | hardness tester              |
| B.Burlton.....    | one lb water softening resin |

### LETTER FROM HAWAII

Aloha,

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Salt Water Aquarium Society of Hawaii  
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## COMMITTEE MEETING REPORTS

Meeting held at 58 Leighcliff Drive Leigh, present weres- President, Secretary, Treasurer, Lawrence Mitchell, Terry Russel

Ted Joyce, Ken Adams, Dave Edwards, and Peter Capon; guest Steve Norris, apologies from Mr and Mrs Clark.

It was announced that the coach outing to the Alexandra Palace Show was a success and had paid for itself. The President reported on the condition of the tank at Nayland House, Lawrence Mitchell mentioned that he had a friend living close to Nayland House who had volunteered to keep an eye on the tank and report to him should any extra attention be needed. The venue for the Dinner/Dance was fixed as the Hollywood Restaurant Thundersly subject to cost. The treasurer stated that several members had asked why there were no slide shows particularly as we had our own slide library. The secretary and the treasurer were requested to obtain a film for the meeting of October 19-

Mr Russel mentioned the non-attendance at both committee and club meetings and proposed that a motion be put forward at the A.G.M. to the effect that any person accepting a committee position must be available to attend at least seventy-five percent of the committee meetings during the year of office. Mr Capon requested that he be censured for his continual late arrival at committee meetings. Mr Adams enquired why there had been no publicity for the club in PETFISH and the Aquarist, Mr Capon apologised for the error (EDITORS NOTE in point of fact your editor did not apologise there was no error, he did however invite the committee to pass a vote of censure which they declined) It was agreed that such publicity would be hand by the P.R.O. in future and Mr Russel stated that he would be control of the matter in future. A vote of 9 to 1 was passed to reformulate the rules of the club a sub-committee of the secretary, treasurer and Mr Russel was formed for this purpose. Mr Noriss asked permission for the darts team to use the title S.L.A.D.A.S. Darts..Team.

Meeting held at 9 ,Locarno Avenue, Runwell on August 24<sup>th</sup> present were:- President, Secretary, Treasurer, D. Edwards , E.,Joyce, Lmitchell,T.Russel, K.Adams R.Orford and P. Capon; visitor A.Staples

fact that the committee were not particularly happy with the increase , being the second in eighteen months.

The committee were asked to approve the revised rules prepared the special sub-committee and a vote was taken on the proposed rule concerning attendance at committee meetings, stating that should a committee member be unable to attend at least 75% of committee meetings baring illness of himself or his immediate family, his resignation would altermatically be accepted• The vote was taken as 6 in favour and 3 against with one abstainer« Any revision of the rules cannot be -enforced unless passed by the general assembly at the A.G.M.

Mr Russel expressed his disgust at the "mini-election" which took place at the last general meeting, to replace the three resignations from the committee\* He stated that co-option to the committee should not be put to the general assembly but that it was entirely committee business\* To clarify the position the Treasurer proposed that Mr & Mrs Chapman and Mr Staples be co-opted onto the committee, motion seconded by L.Mitchell, motion carried by eight votes to one with one abstention.

Open show secretary reported that he had reserved St Clements Hall Leigh for Open Show 1972c He stated that he would appreciate being able to award more trophies, at least a medal for second, and was rather disappointed at the lack of support by S.L.A.D.A.S. at other Open Shows•

The secretary reported verbal resignations from Mr & Mrs Clark and R.Carrier She confirmed that she had booked a discotheque,

Mr Orford proposed a visit to the Inter-Pet factory in Southend, The

President closed the meeting at 11.20 pm.

#### CONTRIBUTORS TO S,L.A.D.A.S, JOURNAL since October 1965

by P.F.Capon.

I took over the editor's chair of this **JOURNAL** in October 1965 , I imagine that after all this time the general membership are utterly cheesed off with me. So if you are thinking of electing a new editor at the forthcoming A.G.M. perhaps a list of contributors over the last five years might help in selecting a possible new editor:-

|                          |                  |
|--------------------------|------------------|
| D.Roberts .....          | 19 contributions |
| R. Clark (non-member)... | 17 contributions |
| N. Sellers.....1.....    | 5 contributions  |
| D.Cheswright.....        | 8 contributions  |

Mrs J. Norris.....8 contributions

Mrs M. Orford.....7 contributions

R. D. Orford .....7 contributions

D. Edwards.....6 contributions

S. Norris.....6 contributions

D. Finch.....4 contributions

R. Wallings..... 3 contributions

R. Nield.....2 contributions

A.J. Mason..... 2 contributions

M. Goodall.....1 contribution

S. Hamblin.....1 contribution

B. Dunn..... 1 contribution

J. Baron.....1 contribution

E. Joyce.....1 contribution

Letters have been published from the following.- H.R. Axelrod,  
R. Rofen (Wonderwater), C.J. Skilton, B.F. Oster of Hawaii Saltwater  
A/S, and Mr & Mrs Norris.

How is that for a roll of honour and potential list of new editors  
should YOU wish to get rid of the present editor. Incidentally, I very much  
doubt if Herbert Axelrod will accept the post I understand he's already  
committed to some obscure little American fish magazine!

**TABLE SHOW POSITIONS ADULT as of 21<sup>st</sup> September**

|                     |           |        |
|---------------------|-----------|--------|
| G. Coe.....         | 50 points | A      |
| Chapman.....        | 11 points |        |
| T. Clark.....       | 42 points | B.     |
| Dunn.....           | 4 points  |        |
| K. Adams.....       | 32 points | R.     |
| Orford.....         | 4 points  |        |
| D. Little.....      | 26 points | A.     |
| Staples.....        | 3 points  |        |
| T. Russel.....      | 28 points | N.     |
| Brown.....          | 3 points  |        |
| B. Burlton.....     | 20 points | R. B.  |
| Carrier.....        | 2 points  |        |
| Mrs V. Burlton..... | 14 points | Mrs E. |
| Coe.....            | 2 points  |        |
| D. Cheswright.....  | 17 points | N.     |
| Terry.....          | 2 points  |        |
| O. Pack.....        | 8 points  | F.     |
| Gardner.....        | 2 points  |        |
| P. F. Capon.....    | 8 points  | D.     |
| Edwards.....        | 2 points  |        |
| S. Norris.....      | 7 points  | H.     |
| Preston.....        | 2 points  |        |
| J. Norris.....      | 7 points  | L.     |
| Mitchell.....       | 1 point   |        |
| H. Dunmow.....      | 6 points  |        |
| A. Russel.....      | 5 points  |        |

**TABLE SHOW POSITIONS Junior as of September 21<sup>st</sup>**

|                    |           |         |
|--------------------|-----------|---------|
| M. Thorley.....    | 40 points | Michael |
| Chapman.....       | 12 points |         |
| I. Finlayson.....  | 46 points | B.      |
| Keehan.....        | 6 points  |         |
| A. Relf.....       | 36 points | S.      |
| James.....         | 3 points  |         |
| P. Mephram.....    | 35 points | P.      |
| Outen.....         | 2 points  |         |
| C. Cheswright..... | 19 points |         |

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**REMEMBER THE A.G.M. NOVEMBER 16<sup>th</sup> ----IT`S YOUR CLUB !!!**